



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 13:20:39 end time: 2018-11-19 13:55:47 time: 00:35:08 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 94.400 / 100.000 (94%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	13:20:39	13:21:42	01:03	62.997
		DHCP server can serve clients without using IP address pool.				
	1	False				
	2	True				
2 S	4.000	281473913981714	13:21:42	13:55:47	34:05	74.448
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	1	No				
	2	Yes				
3 M	2.400	281473913981714	13:22:23	13:23:47	01:24	84.405
		It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)				
	1	LAN address of the webserver should be routable on the internet				
	2	Connection Tracking must be enabled on NAT router				
	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
	4	Public IP address of the webserver must be installed on the NAT Router				
	5	A route between the NAT Router and the webserver must exist				
4 M	4.000	281473913981714	13:23:47	13:25:58	02:11	130.895
		Possible actions of ip firewall filter are:				
	1	log				
	2	bounce				
	3	tarpit				
	4	add-to-list				
	5	tarp				
	6	accept				
5 S	4.000	281473913981714	13:25:58	13:26:23	00:25	24.088
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
	1	IP Address				
	2	MAC Address				
	3	VLAN ID				
	4	802.11g				
6 S	4.000	281473913981714	13:26:23	13:27:07	00:44	44.26
		How many different priorities can be selected for queues in MikroTik RouterOS?				
	1	1				
	2	0				
	3	8				
	4	16				
7 S	4.000	281473913981714	13:27:07	13:27:32	00:25	24.544
		Which route will be used to reach host 192.168.1.55?				
		/ip route				
		add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1				
		add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2				
		add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	1	Route via gateway 2.2.2.2				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 1.1.1.1				
8 S	0.000	281473913981714	13:27:32	13:29:16	01:44	104.729
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				



School name

first row

second row

third row



	1	station-pseudobridge
	2	station-wds
-	3	station
	4	station-bridge

9 S	4.000	281473913981714	13:29:16	13:30:54	01:38	97.309
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	+	1	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2			
		2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1			
		3	Adds IP address 192.168.1.2 to the interface ether1			
		4	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2			

10 S	4.000	281473913981714	13:30:54	13:32:02	01:08	67.513
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
		1	True			
	+	2	False			

11 S	4.000	281473913981714	13:32:02	13:52:45	20:43	121.16
What is necessary for PPPoE client configuration?						
		1	ip firewall nat masquerade rule			
	+	2	Interface (on which PPPoE client is going to work)			
		3	Static IP address on PPPoE client interface			

12 S	4.000	281473913981714	13:33:37	13:36:05	02:28	148.603
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24			
			Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.2.253/24			
			Default Gateway: 124.81.122.92			

13 S	4.000	281473913981714	13:36:05	13:50:41	14:36	61.453
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	Unlimited			
		4	1024			

14 S	4.000	281473913981714	13:37:23	13:38:49	01:26	86.156
It is possible to create an encrypted PPPoE tunnel in RouterOS						
		1	False			
	+	2	True			

15 S	4.000	281473913981714	13:38:49	13:40:11	01:22	81.827
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	+	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry			
		2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration			
		3	Configure the radius server under "/radius"			
		4	Add each known client's MAC address to your access-list configuration is the only step needed			
		5	Check the "Do not permit unknown client" box in the wireless configuration			

16 S	4.000	281473913981714	13:40:11	13:41:07	00:56	56.343
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
		1	Active route via both gateway			
	+	2	Active route via gateway 10.10.10.20			
		3	No active route			



School name

first row

second row

third row



	4	Active route via gateway 10.10.10.10				
17 S	4.000	281473913981714	13:41:07	13:41:34	00:27	26.55
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
	1	True				
+	2	False				
18 S	4.000	281473913981714	13:41:34	13:41:52	00:18	17.769
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
	1	False				
+	2	True				
19 M	4.000	281473913981714	13:41:52	13:42:22	00:30	30.04
	Select minimal set of software packages in RouterOS required to configuring a wireless AP					
+	1	system				
+	2	dhcp				
+	3	wireless				
+	4	routing				
+	5	advanced-tools				
20 S	4.000	281473913981714	13:42:22	13:43:25	01:03	63.177
	MikroTik RouterOS commands can be run once a day by:					
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				
21 S	4.000	281473913981714	13:43:25	13:45:22	01:57	116.546
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot ip-binding				
	4	/ip hotspot walled-garden				
22 S	4.000	281473913981714	13:45:22	13:46:01	00:39	39.345
	The highest queue priority is ...					
	1	8				
+	2	1				
	3	16				
	4	256				
23 S	4.000	281473913981714	13:46:01	13:46:54	00:53	52.493
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	4	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
24 S	4.000	281473913981714	13:46:54	13:47:12	00:18	17.752
	MAC Address defined in ... of OSI Model					
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981714	13:47:12	13:49:07	01:55	114.937
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
+	1	True				
	2	False				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1572040 name: Rossevine Artha Natasya user: 1572040 start time: 2018-11-19 13:20:02 end time: 2018-11-19 13:59:42 time: 00:39:40 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 92.000 / 100.000 (92%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	13:20:02	13:27:51	07:49	469.017
		Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
	1	WPA EAP / WPA2 EAP				
	+	2	WPA PSK / WPA2 PSK			
2 S	4.000	281473913981699	13:27:51	13:29:33	01:42	101.336
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	+	1	True			
		2	False			
3 S	4.000	281473913981699	13:29:33	13:30:50	01:17	76.783
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
		1	True			
	+	2	False			
4 S	4.000	281473913981699	13:30:50	13:31:16	00:26	25.894
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
		1	Yes			
	+	2	No			
5 S	4.000	281473913981699	13:31:16	13:32:48	01:32	92.137
		What is necessary for PPPoE client configuration?				
	+	1	Interface (on which PPPoE client is going to work)			
		2	Static IP address on PPPoE client interface			
		3	ip firewall nat masquerade rule			
6 S	4.000	281473913981699	13:32:48	13:33:22	00:34	34.231
		What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside				
		1	tarpit			
		2	allow			
		3	passthrough			
	+	4	masquerade			
7 S	4.000	281473913981699	13:33:22	13:34:22	01:00	59.744
		Which default route will be active?				
		/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
		/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
		1	No active route			
		2	Active route via both gateway			
	+	3	Active route via gateway 10.10.10.20			
		4	Active route via gateway 10.10.10.10			
8 M	4.000	281473913981699	13:34:22	13:35:13	00:51	50.479
		What kind of users are listed in the Secrets window of the PPP menu?				
	+	1	hotspot users			
	+	2	pptp users			
	+	3	wireless users			
	+	4	l2tp users			
	+	5	winbox users			
9 S	4.000	281473913981699	13:35:13	13:36:00	00:47	47.495
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
	+	1	False			
		2	True			

**School name**

first row

second row

third row



10 S	4.000	281473913981699	13:36:00	13:36:40	00:40	39.389
Which is the default port for IP-WINBOX?						
	1	TCP/80				
+	2	TCP/8291				
	3	TCP/8192				
	4	UDP/8291				
11 M	4.000	281473913981699	13:36:40	13:38:16	01:36	95.985
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
+	2	192.168.0.1-192.168.0.14				
+	3	192.169.0.1-192.169.0.254				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
12 S	4.000	281473913981699	13:38:16	13:39:16	01:00	59.618
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+c				
	3	Ctrl+s				
+	4	Ctrl+x				
13 S	4.000	281473913981699	13:39:16	13:40:07	00:51	51.181
How many different priorities can be selected for queues in MikroTik RouterOS?						
	1	16				
	2	0				
+	3	8				
	4	1				
14 S	4.000	281473913981699	13:40:07	13:42:19	02:12	132.031
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
+	2	only on bridge interface				
	3	ethernet and wireless interfaces				
	4	DHCP service is not possible in this setup				
15 S	4.000	281473913981699	13:42:19	13:45:48	03:29	208.61
It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.						
+	1	True				
	2	False				
16 S	4.000	281473913981699	13:45:48	13:47:03	01:15	75.144
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	Unlimited				
	3	1024				
+	4	1				
17 S	4.000	281473913981699	13:47:03	13:47:52	00:49	49.096
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 1.1.1.1				
18 S	0.000	281473913981699	13:47:52	13:50:34	02:42	161.424
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	prerouting				
-	2	output				
	3	input				
	4	forward				
19 S	4.000	281473913981699	13:50:34	13:51:09	00:35	35.299
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot profile				
	2	/ip hotspot walled-garden				



School name

first row

second row

third row



	3	/ip hotspot ip-binding
+	4	/ip hotspot user profile

20 S	4.000	281473913981699	13:51:09	13:54:47	03:38	217.24
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	postrouting				
	2	forward				
+	3	output				
	4	input				

21 S	4.000	281473913981699	13:54:47	13:55:13	00:26	26.584
The highest queue priority is ...						
	+	1	1			
		2	256			
		3	16			
		4	8			

22 S	4.000	281473913981699	13:55:13	13:56:37	01:24	83.995
MikroTik RouterOS commands can be run once a day by:						
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				

23 S	0.000	281473913981699	13:56:37	13:57:36	00:59	58.334
Is it possible to limit how many clients are able to connect to an access point?						
-	1	Yes, but only with access-lists				
	2	Yes				
	3	No it's not possible at all				

24 S	4.000	281473913981699	13:57:36	13:58:48	01:12	72.117
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
	2	3				
+	3	2				
	4	4				

25 S	4.000	281473913981699	13:58:48	13:59:42	00:54	54.052
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
+	1	kind=pcq pcq-rate=256000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1572008 name: Gisela Kurniawati user: 1572008 start time: 2018-11-19 13:20:08 end time: 2018-11-19 13:37:21 time: 00:17:13 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 91.429 / 100.000 (91%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981698	13:20:08	13:21:05	00:57	57.066
		MAC Address defined in ... of OSI Model				
	1	Layer 6				
+	2	Layer 2				
	3	Layer 7				
	4	Layer 3				
2 S	4.000	281473913981698	13:21:08	13:21:22	00:14	13.925
		Which default route will be active?				
		/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
		/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
	1	Active route via both gateway				
	2	No active route				
+	3	Active route via gateway 10.10.10.20				
	4	Active route via gateway 10.10.10.10				
3 S	4.000	281473913981698	13:21:23	13:24:33	03:10	190.2
		MikroTik RouterOS commands can be run once a day by:				
	1	/system cron				
+	2	/system scheduler				
	3	/system watchdog				
4 S	4.000	281473913981698	13:24:34	13:24:57	00:23	23.479
		When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:				
+	1	2				
	2	3				
	3	1				
	4	4				
5 S	4.000	281473913981698	13:24:58	13:25:17	00:19	18.688
		It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.				
	1	False				
+	2	True				
6 S	0.000	281473913981698	13:25:17	13:26:19	01:02	61.195
		Is it possible to limit how many clients are able to connect to an access point?				
	1	Yes				
-	2	Yes, but only with access-lists				
	3	No it's not possible at all				
7 S	4.000	281473913981698	13:26:19	13:28:32	02:13	34.279
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
	1	Check the "Do not permit unknown client" box in the wireless configuration				
	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
	3	Configure the radius server under "/radius"				
	4	Add each known client's MAC address to your access-list configuration is the only step needed				
+	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
8 M	4.000	281473913981698	13:28:33	13:28:51	00:18	18.767
		What kind of users are listed in the Secrets window of the PPP menu?				
+	1	hotspot users				
+	2	l2tp users				



School name

first row
second row
third row



+	3	wireless users
+	4	winbox users
+	5	pptp users

9 S	4.000	281473913981698	13:28:52	13:29:22	00:30	29.795
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot ip-binding				
	2	/ip hotspot profile				
+	3	/ip hotspot user profile				
	4	/ip hotspot walled-garden				

10 S	4.000	281473913981698	13:29:24	13:30:23	00:59	58.396
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
	1	allow				
	2	passthrough				
+	3	masquerade				
	4	tarpit				

11 S	0.000	281473913981698	13:30:23	13:30:56	00:33	33.162
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	1	False				
-	2	True				

12 M	3.429	281473913981698	13:31:05	13:32:01	00:56	55.749
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+	1	Place a proper forward firewall rule to block mac discovery				
-	2	Place a proper input firewall rule to block mac discovery				
+	3	Remove/Disable all interfaces under mac-server telnet				
+	4	Remove/Disable all interfaces under mac-server winbox				
+	5	Add a Deny All input firewall rule				
+	6	Remove/Disable the Interfaces				
+	7	Remove/Disable all discovery interfaces				

13 M	4.000	281473913981698	13:32:03	13:32:24	00:21	20.491
In the Route List, the identification DAb for a route stands for						
+	1	direct - active - bgp				
+	2	dynamic - active - backup				
+	3	dynamic - active - bgp				
+	4	direct - acknowledge - backup				

14 S	4.000	281473913981698	13:32:24	13:33:00	00:36	35.428
To use masquerade, you need to specify						
	1	action=masquerade, in-interface, chain=src-nat				
+	2	action=masquerade, out-interface, chain=src-nat				
	3	action=accept, out-interface, chain=src-nat				
	4	action=masquerade, out-interface, chain=dst-nat				

15 S	4.000	281473913981698	13:33:00	13:33:09	00:09	9.352
	The highest queue priority is ...					
	1	256				
	2	8				
+	3	1				
	4	16				

16 S	4.000	281473913981698	13:33:10	13:33:29	00:19	19.774
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download				
	3	download - upload				
+	4	upload + download				

17 S	4.000	281473913981698	13:33:30	13:33:44	00:14	14.053
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				

18 S	4.000	281473913981698	13:33:47	13:34:05	00:18	17.754
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network.						



School name

first row

second row

third row



It is possible to distribute the extra IP Addresses without adding another DHCP Server.

+	1	True
	2	False

19 M	4.000	281473913981698	13:34:06	13:34:39	00:33	33.074
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.14				
+	2	192.168.0.1-192.168.0.255				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				

20 S	4.000	281473913981698	13:34:46	13:35:12	00:26	26.249
It's impossible to remove user "admin" from "/user"						
	1	True				
+	2	False				

21 S	4.000	281473913981698	13:35:12	13:35:43	00:31	31.036
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	1	True				
+	2	False				

22 S	4.000	281473913981698	13:35:44	13:36:01	00:17	17.141
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	4	kind=pcq pcq-rate=256000 pcq-classifier=dst-address				

23 S	4.000	281473913981698	13:36:02	13:36:37	00:35	20.846
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				

24 M	4.000	281473913981698	13:36:38	13:37:05	00:27	27.313
When making router configuration export to file which of the statements are true:						
+	1	Export file name should be provided				
+	2	Winbox usernames and passwords are backed up				
+	3	The export file can be edited with a standard text editor after its creation				
+	4	Only full router configuration can be exported				

25 S	4.000	281473913981698	13:37:06	13:37:21	00:15	14.834
Which port does PPTP use by default?						
	1	UDP 1723				
	2	TCP 1721				
	3	UDP 1721				
+	4	TCP 1723				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-11-19 13:20:31 end time: 2018-11-19 13:54:19 time: 00:33:48 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 92.000 / 100.000 (92%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981713	13:20:31	13:21:48	01:17	76.806
	Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?					
	1	WPA EAP / WPA2 EAP				
+	2	WPA PSK / WPA2 PSK				
2 S	4.000	281473913981713	13:21:48	13:22:21	00:33	32.762
	A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.					
	1	Open the router and ensure the CMOS battery is fine.				
	2	Write a script in 'system script' to set the clock.				
+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.				
3 S	4.000	281473913981713	13:22:21	13:54:19	31:58	146.731
	What is necessary for PPPoE client configuration?					
	1	ip firewall nat masquerade rule				
	2	Static IP address on PPPoE client interface				
+	3	Interface (on which PPPoE client is going to work)				
4 S	4.000	281473913981713	13:23:17	13:25:02	01:45	104.658
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
5 S	4.000	281473913981713	13:25:02	13:25:20	00:18	17.494
	For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...					
	1	DHCP				
+	2	No extra package required				
	3	Advanced-tools				
	4	Routing				
6 S	4.000	281473913981713	13:25:20	13:25:39	00:19	19.077
	Firewall NAT rules process only the first packet of each connection.					
	1	false				
+	2	true				
7 S	4.000	281473913981713	13:25:39	13:26:12	00:33	32.322
	Consider this topology:					
	(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)					
	Static routing on RB has been properly configured.					
	Which configuration should submitted on RA?					
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
8 S	4.000	281473913981713	13:26:12	13:26:32	00:20	19.85
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
	1	2				
	2	1024				
+	3	1				



School name

first row

second row

third row



	4	Unlimited				
9 S	4.000	281473913981713	13:26:32	13:27:19	00:47	47.632
	Which is the default port for IP-WINBOX?					
	1	TCP/80				
	2	TCP/8192				
	3	UDP/8291				
	+	4	TCP/8291			
10 S	4.000	281473913981713	13:27:19	13:27:37	00:18	17.134
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	1	False				
	+	2	True			
11 S	0.000	281473913981713	13:27:37	13:28:07	00:30	29.917
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
	1	True				
	-	2	False			
12 S	4.000	281473913981713	13:28:07	13:28:36	00:29	29.689
	Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?					
	1	Yes				
	+	2	No			
13 S	4.000	281473913981713	13:28:36	13:29:27	00:51	50.189
	Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?					
	1	2012				
	2	1024				
	3	2048				
	+	4	2007			
14 S	4.000	281473913981713	13:29:27	13:29:53	00:26	26.4
	The highest queue priority is ...					
	1	8				
	+	2	1			
	3	256				
	4	16				
15 S	4.000	281473913981713	13:29:53	13:30:06	00:13	13.021
	DHCP server can serve clients without using IP address pool.					
	1	False				
	+	2	True			
16 S	4.000	281473913981713	13:30:06	13:30:42	00:36	35.9
	You have a router with these configuration:					
	Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24					
	Mark the correct configuration on client PC to access the Internet!					
	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	+	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
17 S	4.000	281473913981713	13:30:42	13:31:17	00:35	34.463
	MikroTik RouterOS commands can be run once a day by:					
	+	1	/system scheduler			
	2	/system watchdog				
	3	/system cron				
18 S	4.000	281473913981713	13:31:17	13:31:36	00:19	18.9
	How long does Level 1 (FREE) license can be used?					
	1	24 hours				
	2	3 years				
	+	3	infinite time			
	4	1 month				



School name

first row

second row

third row



19 S	4.000	281473913981713	13:31:36	13:32:10	00:34	34.215
In RouterOS queue configurations the word "total" usually represents						
	1	download - upload				
	2	upload				
+	3	upload + download				
	4	download				
20 S	0.000	281473913981713	13:32:10	13:32:39	00:29	28.103
Is it possible to limit how many clients are able to connect to an access point?						
-	1	Yes, but only with access-lists				
	2	Yes				
	3	No it's not possible at all				
21 S	4.000	281473913981713	13:32:39	13:34:03	01:24	83.948
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
22 S	4.000	281473913981713	13:34:03	13:34:21	00:18	17.772
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
	2	ethernet and wireless interfaces				
	3	DHCP service is not possible in this setup				
+	4	only on bridge interface				
23 S	4.000	281473913981713	13:34:21	13:36:03	01:42	101.87
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	output				
+	2	forward				
	3	input				
	4	prerouting				
24 S	4.000	281473913981713	13:36:03	13:39:17	03:14	194.063
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	input				
	2	forward				
+	3	output				
	4	postrouting				
25 S	4.000	281473913981713	13:39:17	13:40:43	01:26	86.021
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot ip-binding				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
+	4	/ip hotspot user profile				

**School name**

first row

second row

third row

**test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA**

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-11-19 13:20:24 end time: 2018-11-19 13:52:55 time: 00:32:31 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 91.429 / 100.000 (91%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981704	13:20:24	13:22:35	02:11	130.578
		Which port does PPTP use by default?				
	+	1	TCP 1723			
		2	UDP 1723			
		3	TCP 1721			
		4	UDP 1721			
2 S	4.000	281473913981704	13:22:35	13:23:19	00:44	44.722
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
		1	False			
	+	2	True			
3 S	4.000	281473913981704	13:23:19	13:23:37	00:18	17.49
		You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?				
		1	Hotspot			
	+	2	System			
		3	Routing			
		4	Advanced-Tools			
		5	BGP			
4 S	4.000	281473913981704	13:23:37	13:24:09	00:32	31.385
		You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!				
		1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			
		2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
		3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
	+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
5 S	4.000	281473913981704	13:24:09	13:29:48	05:39	339.662
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot profile			
	+	2	/ip hotspot user profile			
		3	/ip hotspot walled-garden			
		4	/ip hotspot ip-binding			
6 S	4.000	281473913981704	13:29:48	13:32:05	02:17	136.405
		How many different priorities can be selected for queues in MikroTik RouterOS?				
		1	1			
	+	2	8			
		3	0			
		4	16			



School name

first row

second row

third row



7 S	4.000	281473913981704	13:32:05	13:33:09	01:04	64.095
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	1	True				
+	2	False				
8 M	4.000	281473913981704	13:33:09	13:34:30	01:21	81.056
What does the firewall action "redirect" do?						
+	1	Redirect a packet to the router				
+	2	Redirect a packet to a specific gateway				
+	3	Redirect a packet to another host in the network				
+	4	Redirect a packet to a specific port in the router				
9 S	4.000	281473913981704	13:34:30	13:35:04	00:34	33.532
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should be submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
10 S	4.000	281473913981704	13:35:04	13:36:39	01:35	95.305
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	output				
+	2	forward				
	3	prerouting				
	4	input				
11 S	4.000	281473913981704	13:36:39	13:38:06	01:27	86.403
The highest queue priority is ...						
+	1	1				
	2	16				
	3	8				
	4	256				
12 M	3.429	281473913981704	13:38:06	13:39:28	01:22	82.103
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+	1	Remove/Disable the Interfaces				
+	2	Place a proper forward firewall rule to block mac discovery				
-	3	Place a proper input firewall rule to block mac discovery				
+	4	Add a Deny All input firewall rule				
+	5	Remove/Disable all interfaces under mac-server winbox				
+	6	Remove/Disable all interfaces under mac-server telnet				
+	7	Remove/Disable all discovery interfaces				
13 S	4.000	281473913981704	13:39:28	13:40:38	01:10	70.129
In RouterOS queue configurations the word "total" usually represents						
	1	download				
	2	upload				
+	3	upload + download				
	4	download - upload				
14 S	4.000	281473913981704	13:40:38	13:42:00	01:22	81.533
What is necessary for PPPoE client configuration?						
	1	Static IP address on PPPoE client interface				
+	2	Interface (on which PPPoE client is going to work)				
	3	ip firewall nat masquerade rule				
15 S	4.000	281473913981704	13:42:00	13:43:19	01:19	78.367
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
+	2	Ctrl+x				
	3	Ctrl+s				
	4	Ctrl+c				
16 S	4.000	281473913981704	13:43:19	13:43:40	00:21	21.16
DHCP server can serve clients without using IP address pool.						
	1	False				

**School name**first row
second row
third row

	+	2	True				
17 S	0.000	281473913981704	13:43:40	13:44:55	01:15	75.031	
			Is it possible to limit how many clients are able to connect to an access point?				
		1	Yes				
		2	No it's not possible at all				
	-	3	Yes, but only with access-lists				
18 S	4.000	281473913981704	13:44:55	13:45:48	00:53	52.568	
			Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
		1	Yes				
	+	2	No				
19 S	4.000	281473913981704	13:45:48	13:48:19	02:31	150.632	
			It is possible to create an encrypted PPPoE tunnel in RouterOS				
		1	False				
	+	2	True				
20 S	4.000	281473913981704	13:48:19	13:48:54	00:35	35.193	
			A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'				
		2	On both 'br-lan' and 'wlan1'				
	+	3	On 'br-lan'				
		4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
21 S	4.000	281473913981704	13:48:54	13:49:16	00:22	21.923	
			Which default route will be active?				
			/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
			/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
		1	Active route via both gateway				
		2	Active route via gateway 10.10.10.10				
		3	No active route				
	+	4	Active route via gateway 10.10.10.20				
22 S	4.000	281473913981704	13:49:16	13:49:38	00:22	21.532	
			How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	+	1	1				
		2	Unlimited				
		3	1024				
		4	2				
23 M	4.000	281473913981704	13:49:38	13:50:10	00:32	32.587	
			Mark correct statements.				
	+	1	Backup files are not editable				
	+	2	Backup files are editable				
	+	3	Export files are not editable				
24 S	0.000	281473913981704	13:50:10	13:52:07	01:57	116.722	
			Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
	-	1	station				
		2	station-bridge				
		3	station-wds				
		4	station-pseudobridge				
25 S	4.000	281473913981704	13:52:07	13:52:55	00:48	47.976	
			MikroTik RouterOS commands can be run once a day by:				
		1	/system cron				
	+	2	/system scheduler				
		3	/system watchdog				

**School name**

first row

second row

third row

**test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA**

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-11-19 13:20:24 end time: 2018-11-19 13:52:55 time: 00:32:31 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 91.429 / 100.000 (91%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981704	13:20:24	13:22:35	02:11	130.578
		Which port does PPTP use by default?				
	+	1	TCP 1723			
		2	UDP 1723			
		3	TCP 1721			
		4	UDP 1721			
2 S	4.000	281473913981704	13:22:35	13:23:19	00:44	44.722
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
		1	False			
	+	2	True			
3 S	4.000	281473913981704	13:23:19	13:23:37	00:18	17.49
		You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?				
		1	Hotspot			
	+	2	System			
		3	Routing			
		4	Advanced-Tools			
		5	BGP			
4 S	4.000	281473913981704	13:23:37	13:24:09	00:32	31.385
		You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!				
		1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			
		2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
		3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
	+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
5 S	4.000	281473913981704	13:24:09	13:29:48	05:39	339.662
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot profile			
	+	2	/ip hotspot user profile			
		3	/ip hotspot walled-garden			
		4	/ip hotspot ip-binding			
6 S	4.000	281473913981704	13:29:48	13:32:05	02:17	136.405
		How many different priorities can be selected for queues in MikroTik RouterOS?				
		1	1			
	+	2	8			
		3	0			
		4	16			



School name

first row

second row

third row



7 S	4.000	281473913981704	13:32:05	13:33:09	01:04	64.095
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	1	True				
+	2	False				
8 M	4.000	281473913981704	13:33:09	13:34:30	01:21	81.056
What does the firewall action "redirect" do?						
+	1	Redirect a packet to the router				
+	2	Redirect a packet to a specific gateway				
+	3	Redirect a packet to another host in the network				
+	4	Redirect a packet to a specific port in the router				
9 S	4.000	281473913981704	13:34:30	13:35:04	00:34	33.532
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should be submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
10 S	4.000	281473913981704	13:35:04	13:36:39	01:35	95.305
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	output				
+	2	forward				
	3	prerouting				
	4	input				
11 S	4.000	281473913981704	13:36:39	13:38:06	01:27	86.403
The highest queue priority is ...						
+	1	1				
	2	16				
	3	8				
	4	256				
12 M	3.429	281473913981704	13:38:06	13:39:28	01:22	82.103
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+	1	Remove/Disable the Interfaces				
+	2	Place a proper forward firewall rule to block mac discovery				
-	3	Place a proper input firewall rule to block mac discovery				
+	4	Add a Deny All input firewall rule				
+	5	Remove/Disable all interfaces under mac-server winbox				
+	6	Remove/Disable all interfaces under mac-server telnet				
+	7	Remove/Disable all discovery interfaces				
13 S	4.000	281473913981704	13:39:28	13:40:38	01:10	70.129
In RouterOS queue configurations the word "total" usually represents						
	1	download				
	2	upload				
+	3	upload + download				
	4	download - upload				
14 S	4.000	281473913981704	13:40:38	13:42:00	01:22	81.533
What is necessary for PPPoE client configuration?						
	1	Static IP address on PPPoE client interface				
+	2	Interface (on which PPPoE client is going to work)				
	3	ip firewall nat masquerade rule				
15 S	4.000	281473913981704	13:42:00	13:43:19	01:19	78.367
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
+	2	Ctrl+x				
	3	Ctrl+s				
	4	Ctrl+c				
16 S	4.000	281473913981704	13:43:19	13:43:40	00:21	21.16
DHCP server can serve clients without using IP address pool.						
	1	False				

**School name**first row
second row
third row

	+	2	True				
17 S	0.000	281473913981704	13:43:40	13:44:55	01:15	75.031	
			Is it possible to limit how many clients are able to connect to an access point?				
		1	Yes				
		2	No it's not possible at all				
	-	3	Yes, but only with access-lists				
18 S	4.000	281473913981704	13:44:55	13:45:48	00:53	52.568	
			Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
		1	Yes				
	+	2	No				
19 S	4.000	281473913981704	13:45:48	13:48:19	02:31	150.632	
			It is possible to create an encrypted PPPoE tunnel in RouterOS				
		1	False				
	+	2	True				
20 S	4.000	281473913981704	13:48:19	13:48:54	00:35	35.193	
			A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'				
		2	On both 'br-lan' and 'wlan1'				
	+	3	On 'br-lan'				
		4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
21 S	4.000	281473913981704	13:48:54	13:49:16	00:22	21.923	
			Which default route will be active?				
			/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
			/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
		1	Active route via both gateway				
		2	Active route via gateway 10.10.10.10				
		3	No active route				
	+	4	Active route via gateway 10.10.10.20				
22 S	4.000	281473913981704	13:49:16	13:49:38	00:22	21.532	
			How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	+	1	1				
		2	Unlimited				
		3	1024				
		4	2				
23 M	4.000	281473913981704	13:49:38	13:50:10	00:32	32.587	
			Mark correct statements.				
	+	1	Backup files are not editable				
	+	2	Backup files are editable				
	+	3	Export files are not editable				
24 S	0.000	281473913981704	13:50:10	13:52:07	01:57	116.722	
			Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
	-	1	station				
		2	station-bridge				
		3	station-wds				
		4	station-pseudobridge				
25 S	4.000	281473913981704	13:52:07	13:52:55	00:48	47.976	
			MikroTik RouterOS commands can be run once a day by:				
		1	/system cron				
	+	2	/system scheduler				
		3	/system watchdog				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672065 name: JESIKA ANASTASIA SAUNUNU user: 1672065 start time: 2018-11-19 13:20:28 end time: 2018-11-19 14:01:01 time: 00:40:33 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 74.400 / 100.000 (74%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981706	13:20:28	13:24:17	03:49	229.239
		Which port does PPTP use by default?				
	1	TCP 1721				
	+	2	TCP 1723			
		3	UDP 1721			
		4	UDP 1723			
2 S	0.000	281473913981706	13:24:20	13:27:35	03:15	194.588
		Firewall NAT rules process only the first packet of each connection.				
	-	1	false			
		2	true			
3 S	4.000	281473913981706	13:27:36	13:28:22	00:46	46.243
		In RouterOS queue configurations the word "total" usually represents				
		1	upload			
		2	download - upload			
	+	3	upload + download			
		4	download			
4 S	4.000	281473913981706	13:28:23	13:30:02	01:39	99.512
		It is possible to create an encrypted PPPoE tunnel in RouterOS				
	+	1	True			
		2	False			
5 S	4.000	281473913981706	13:30:03	13:34:18	04:15	254.876
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	+	1	True			
		2	False			
6 M	4.000	281473913981706	13:34:18	13:35:31	01:13	72.816
		In the Route List, the identification DAb for a route stands for				
	+	1	direct - active - bgp			
	+	2	direct - acknowledge - backup			
	+	3	dynamic - active - bgp			
	+	4	dynamic - active - backup			
7 S	4.000	281473913981706	13:35:32	13:36:14	00:42	41.904
		The highest queue priority is ...				
		1	8			
	+	2	1			
		3	256			
		4	16			
8 S	4.000	281473913981706	13:36:15	13:37:43	01:28	87.258
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
		1	Nothing – it will work as before			
		2	Another IP has to be added on the PC for Internet access			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
	+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
9 S	4.000	281473913981706	13:37:43	13:38:19	00:36	35.624
		A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.				



School name

first row

second row

third row



Select the best solution for the problem.

+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.
	2	Open the router and ensure the CMOS battery is fine.
	3	Write a script in 'system script' to set the clock.
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.

10 S	4.000	281473913981706	13:38:34	13:40:27	01:53	112.862
------	-------	-----------------	----------	----------	-------	---------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

+	1	only on bridge interface
	2	DHCP service is not possible in this setup
	3	every bridge port
	4	ethernet and wireless interfaces

11 S	4.000	281473913981706	13:40:31	13:41:20	00:49	49.371
------	-------	-----------------	----------	----------	-------	--------

Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.

+	1	False
	2	True

12 S	0.000	281473913981706	13:41:21	13:44:10	02:49	169.218
------	-------	-----------------	----------	----------	-------	---------

You want to share the same user and password for different computers at the same time.

Which menu is used for configuration?

-	1	/ip hotspot profile
	2	/ip hotspot walled-garden
	3	/ip hotspot user profile
	4	/ip hotspot ip-binding

13 M	4.000	281473913981706	13:44:12	13:46:05	01:53	113.102
------	-------	-----------------	----------	----------	-------	---------

What does the firewall action "redirect" do?

+	1	Redirect a packet to the router
+	2	Redirect a packet to a specific gateway
+	3	Redirect a packet to another host in the network
+	4	Redirect a packet to a specific port in the router

14 S	4.000	281473913981706	13:46:08	13:47:25	01:17	77.45
------	-------	-----------------	----------	----------	-------	-------

What you **cannot** do with NETINSTALL?

	1	Reset the whole configuration of RouterOS
	2	Reinstalling RouterOS
+	3	Reset RouterOS password while maintaining the previous configuration

15 S	4.000	281473913981706	13:47:26	13:49:14	01:48	108.145
------	-------	-----------------	----------	----------	-------	---------

Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?

	1	2012
	2	2048
	3	1024
+	4	2007

16 S	0.000	281473913981706	13:49:15	13:49:47	00:32	31.991
------	-------	-----------------	----------	----------	-------	--------

Is it possible to limit how many clients are able to connect to an access point?

	1	No it's not possible at all
-	2	Yes, but only with access-lists
	3	Yes

17 S	4.000	281473913981706	13:49:48	13:50:29	00:41	40.621
------	-------	-----------------	----------	----------	-------	--------

MikroTik RouterOS commands can be run once a day by:

	1	/system watchdog
+	2	/system scheduler
	3	/system cron

18 S	4.000	281473913981706	13:50:29	13:50:53	00:24	23.365
------	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

	1	Layer 6
	2	Layer 7
+	3	Layer 2
	4	Layer 3

19 M	2.400	281473913981706	13:50:55	13:53:44	02:49	169.378
------	-------	-----------------	----------	----------	-------	---------

It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)

+	1	Connection Tracking must be enabled on NAT router
+	2	LAN address of the webserver should be routable on the internet



School name

first row

second row

third row



+	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver
-	4	Public IP address of the webserver must be installed on the NAT Router
-	5	A route between the NAT Router and the webserver must exist

20 S	0.000	281473913981706	13:53:45	13:53:59	00:14	13.876
It's impossible to remove user "admin" from "/user"						
-	1	True				
	2	False				

21 S	4.000	281473913981706	13:54:01	13:54:55	00:54	53.958
Consider this topology: (192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
	3	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				

22 S	0.000	281473913981706	13:54:56	13:56:58	02:02	121.749
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	1	False				
-	2	True				

23 S	4.000	281473913981706	13:56:59	13:57:22	00:23	23.156
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				

24 S	0.000	281473913981706	13:57:22	13:58:00	00:38	37.285
Define a routing loop (choose the most precise description)						
	1	Situation where the packet is routed through the same sequence of routers until the TTL expires				
-	2	Situation where the packet is routed through the same router twice				
	3	Situation where the packet does not reach it's destination				
	4	Situation where the TTL of the packet expires				

25 S	4.000	281473913981706	13:59:07	14:01:01	01:54	114.031
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-11-19 13:21:46 end time: 2018-11-19 14:01:55 time: 00:40:09 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 80.000 / 100.000 (80%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981703	13:21:46	13:22:44	00:58	57.654
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	1	False				
+	2	True				
2 S	4.000	281473913981703	13:22:44	13:23:57	01:13	72.688
		Which port does PPTP use by default?				
	1	TCP 1721				
+	2	TCP 1723				
	3	UDP 1723				
	4	UDP 1721				
3 S	4.000	281473913981703	13:23:57	13:24:30	00:33	32.6
		Which route will be used to reach host 192.168.1.55?				
		/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 1.1.1.1				
	3	Route via gateway 3.3.3.3				
4 S	0.000	281473913981703	13:24:30	13:26:35	02:05	125.31
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
	1	False				
-	2	True				
5 S	4.000	281473913981703	13:26:35	13:27:18	00:43	42.482
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	1	Nothing – it will work as before				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	4	Another IP has to be added on the PC for Internet access				
6 S	4.000	281473913981703	13:27:18	13:28:25	01:07	67.585
		A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.				
	1	Write a script in 'system script' to set the clock.				
	2	Open the router and ensure the CMOS battery is fine.				
+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.				
7 S	4.000	281473913981703	13:28:25	13:28:54	00:29	28.757
		It's impossible to remove user "admin" from "/user"				
	1	True				
+	2	False				
8 S	4.000	281473913981703	13:28:54	13:31:07	02:13	132.526
		PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.				
	1	False				
+	2	True				



School name

first row

second row

third row



9 S	4.000	281473913981703	13:31:07	13:33:21	02:14	134.338
The highest queue priority is ...						
	1	8				
	2	256				
	3	16				
+	4	1				
10 S	4.000	281473913981703	13:33:21	13:35:54	02:33	152.585
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	1	Check the "Do not permit unknown client" box in the wireless configuration				
	2	Add each known client's MAC address to your access-list configuration is the only step needed				
+	3	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	4	Configure the radius server under "/radius"				
	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
11 S	4.000	281473913981703	13:35:54	13:38:13	02:19	138.389
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download				
	3	download - upload				
+	4	upload + download				
12 M	4.000	281473913981703	13:38:13	13:41:24	03:11	191.446
Possible actions of ip firewall filter are:						
+	1	tarpit				
+	2	bounce				
+	3	accept				
+	4	tarp				
+	5	add-to-list				
+	6	log				
13 S	4.000	281473913981703	13:41:24	13:43:23	01:59	118.59
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				
14 S	0.000	281473913981703	13:43:23	13:46:36	03:13	192.565
How many different priorities can be selected for queues in MikroTik RouterOS?						
	1	8				
-	2	16				
	3	1				
	4	0				
15 S	0.000	281473913981703	13:46:36	13:50:26	03:50	230.52
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot walled-garden				
-	4	/ip hotspot ip-binding				
16 S	4.000	281473913981703	13:50:26	13:51:11	00:45	44.272
How long does Level 1 (FREE) license can be used?						
+	1	infinite time				
	2	24 hours				
	3	3 years				
	4	1 month				
17 S	4.000	281473913981703	13:51:11	13:52:43	01:32	92.547
Firewall NAT rules process only the first packet of each connection.						
	1	false				
+	2	true				
18 S	0.000	281473913981703	13:52:43	13:54:00	01:17	76.754
Action=redirect can be used in NAT chain src-nat						
	1	False				
-	2	True				
19 S	0.000	281473913981703	13:54:00	13:57:17	03:17	196.873
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						

**School name**

first row

second row

third row



	1	2012
	2	2007
	3	1024
-	4	2048

20 S	4.000	281473913981703	13:57:17	13:57:40	00:23	22.761
MikroTik RouterOS commands can be run once a day by:						
	1	/system cron				
	2	/system watchdog				
+	3	/system scheduler				

21 S	4.000	281473913981703	13:57:40	13:58:41	01:01	60.392
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
+	2	On 'br-lan'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

22 S	4.000	281473913981703	13:58:41	13:59:22	00:41	41.279
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	Unlimited				
	2	1024				
+	3	1				
	4	2				

23 S	4.000	281473913981703	13:59:22	13:59:33	00:11	10.808
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
	2	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				
	3	IP Address: 192.168.0.1/24				
		Default Gateway: 192.168.2.1				
+	4	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				

24 S	4.000	281473913981703	13:59:33	14:00:05	00:32	31.592
It is possible to create an encrypted PPPoE tunnel in RouterOS						
+	1	True				
	2	False				

25 S	4.000	281473913981703	14:00:05	14:01:55	01:50	109.971
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	1				
	3	4				
+	4	2				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 14:35:46 end time: 2018-11-19 14:58:58 time: 00:23:12 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	14:35:46	14:36:17	00:31	30.648
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
2 M	4.000	281473913981714	14:36:17	14:58:58	22:41	54.614
It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)						
+	1	A route between the NAT Router and the webserver must exist				
+	2	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
+	3	Connection Tracking must be enabled on NAT router				
+	4	Public IP address of the webserver must be installed on the NAT Router				
3 S	4.000	281473913981714	14:37:28	14:37:42	00:14	13.397
The highest queue priority is ...						
	1	8				
	2	256				
	3	16				
+	4	1				
4 S	4.000	281473913981714	14:37:42	14:37:53	00:11	10.775
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
5 S	4.000	281473913981714	14:37:53	14:38:35	00:42	42.344
Which configuration menu should you use to change router's Winbox default port?						
	1	/ip firewall filter				
	2	/ip firewall service-ports				
+	3	/ip services				
	4	/system resource				
6 S	4.000	281473913981714	14:38:35	14:39:19	00:44	43.472
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should be submitted on RA?						
	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
7 S	4.000	281473913981714	14:39:19	14:39:40	00:21	20.937
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 1.1.1.1				

**School name**first row
second row
third row

	3	Route via gateway 3.3.3.3				
8 S	4.000	281473913981714	14:39:40	14:39:59	00:19	18.629
		Which is the default port for IP-WINBOX?				
	1	TCP/8192				
+	2	TCP/8291				
	3	UDP/8291				
	4	TCP/80				
9 S	4.000	281473913981714	14:39:59	14:40:14	00:15	15.437
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	1	1024				
	2	2				
	3	Unlimited				
+	4	1				
10 S	4.000	281473913981714	14:40:14	14:40:35	00:21	20.563
		Is it possible to limit how many clients are able to connect to an access point?				
	1	No it's not possible at all				
	2	Yes, but only with access-lists				
+	3	Yes				
11 S	4.000	281473913981714	14:40:35	14:40:47	00:12	12.395
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
+	1	/ip hotspot user profile				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
	4	/ip hotspot ip-binding				
12 S	4.000	281473913981714	14:40:47	14:41:55	01:08	67.396
		Which of the protocols below is used by Netinstall?				
+	1	BOOTP				
	2	ARP				
	3	RARP				
	4	DHCP				
13 S	4.000	281473913981714	14:41:55	14:42:19	00:24	23.59
		You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!				
	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
14 S	4.000	281473913981714	14:42:19	14:43:47	01:28	88.58
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				
15 S	4.000	281473913981714	14:43:47	14:43:58	00:11	10.903
		What is necessary for PPPoE client configuration?				
	1	ip firewall nat masquerade rule				
+	2	Interface (on which PPPoE client is going to work)				
	3	Static IP address on PPPoE client interface				
16 M	4.000	281473913981714	14:43:58	14:44:44	00:46	45.473
		What does the firewall action "redirect" do?				
+	1	Redirect a packet to another host in the network				
+	2	Redirect a packet to a specific port in the router				



School name

first row

second row

third row



	+	3	Redirect a packet to a specific gateway			
	+	4	Redirect a packet to the router			
17 S	4.000	281473913981714	14:44:44	14:46:30	01:46	106.155
	Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.					
	+	1	False			
		2	True			
18 S	4.000	281473913981714	14:46:30	14:46:47	00:17	16.275
	MikroTik RouterOS commands can be run once a day by:					
		1	/system cron			
	+	2	/system scheduler			
		3	/system watchdog			
19 S	4.000	281473913981714	14:46:47	14:47:18	00:31	31.06
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Another IP has to be added on the PC for Internet access			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	Nothing – it will work as before			
20 S	4.000	281473913981714	14:47:18	14:47:53	00:35	34.675
	You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.					
	+	1	True			
		2	False			
21 S	4.000	281473913981714	14:47:53	14:48:17	00:24	23.957
	Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?					
	+	1	No			
		2	Yes			
22 S	4.000	281473913981714	14:48:17	14:49:05	00:48	47.938
	Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?					
		1	station-wds			
		2	station-bridge			
		3	station			
	+	4	station-pseudobridge			
23 S	4.000	281473913981714	14:49:05	14:49:33	00:28	27.869
	Which firewall chain should you use to filter clients HTTP traffic going through the router?					
		1	input			
		2	prerouting			
	+	3	forward			
		4	output			
24 S	4.000	281473913981714	14:49:33	14:49:50	00:17	16.685
	How many different priorities can be selected for queues in MikroTik RouterOS?					
	+	1	8			
		2	0			
		3	16			
		4	1			
25 S	4.000	281473913981714	14:49:50	14:50:16	00:26	26.36
	Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?					
		1	WPA EAP / WPA2 EAP			
	+	2	WPA PSK / WPA2 PSK			



School name

first row

second row

third row



Test Results

#	start time	time	test	user - surname, name	points
1	2018-10-01 13:50:53	00:34:18	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1372041 - 1372041, CHRISTYAN CHANDRA WIJA	44.000 (44%)
2	2018-10-01 13:50:51	00:24:44	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472040 - 1472040, VIANDRO ALFARIS	60.000 (60%)
3	2018-10-01 13:51:19	00:21:27	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572035 - 1572035, William Gautama	64.000 (64%)
4	2018-10-01 13:59:39	00:40:58	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572008 - 1572008, Gisela Kurniawati	72.000 (72%)
5	2018-10-01 13:51:43	00:56:01	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672001 - 1672001, VERNANDA DWI AYUNINGRUM	72.000 (72%)
6	2018-10-01 13:51:37	00:40:01	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472028 - 1472028, Johan Gautama Irawan	76.000 (76%)
7	2018-10-01 13:51:26	00:59:34	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672065 - 1672065, JESIKA ANASTASIA SAUNUNU	76.000 (76%)
8	2018-10-01 13:52:22	00:59:51	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572040 - 1572040, Rossevine Artha Natasya	80.000 (80%)
9	2018-10-01 13:51:24	00:53:53	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672061 - 1672061, LARAS APRILIANI	84.000 (84%)
10	2018-10-01 13:51:54	00:43:59	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672079 - 1672079, AMANDA PRIYA NAVRATILOVA	84.000 (84%)
11	2018-10-01 13:51:07	00:41:13	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472051 - 1472051, RENDY HERMANTO	88.000 (88%)
12	2018-10-01 13:51:33	00:35:37	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472079 - 1472079, JUNIATER SIMBOLON	88.000 (88%)
13	2018-10-01 13:50:58	00:34:48	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572042 - 1572042, Syafirafitri Anwar	88.000 (88%)
14	2018-10-01 13:51:20	00:56:33	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672035 - 1672035, NURUL AFIANY	88.000 (88%)
15	2018-10-01 13:50:58	00:40:37	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572017 - 1572017, PRICILLIA CLAUDIA ALFO	96.000 (96%)
16	2018-10-01 13:51:32	00:19:38	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572030 - 1572030, ANDIKA MULYAWAN DWI PR	96.000 (96%)
17	2018-10-01 13:51:12	00:49:32	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672014 - 1672014, LYDIA NOVIANI KUSUMO	100.000 (100%)
PASSED: 16 (94%)					
mean					80%
median					84%
mode					88%
standard deviation					14%
skewness					-0.848
kurtosis					3.386

**School name**

first row

second row

third row

**test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1**

surname: 1372041
name: CHRISTYAN CHANDRA WIJA
user: 1372041
start time: 2018-10-01 13:50:53
end time: 2018-10-01 14:25:11
time: 00:34:18
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 44.000 / 100.000 (44%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981724	13:50:53	13:55:43	04:50	93.594
-----	-------	-----------------	----------	----------	-------	--------

Which configuration menu should you use to change router's Winbox default port?

+	1	/ip services
	2	/ip firewall service-ports
	3	/system resource
	4	/ip firewall filter

2 S	0.000	281473913981724	13:54:08	13:56:49	02:41	65.264
-----	-------	-----------------	----------	----------	-------	--------

A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.
Select the best solution for the problem.

	1	Configure '/system ntp client' and set a valid and reachable NTP server address.
	2	Open the router and ensure the CMOS battery is fine.
-	3	Write a script in 'system script' to set the clock.
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.

3 S	0.000	281473913981724	13:56:49	13:58:35	01:46	106.721
-----	-------	-----------------	----------	----------	-------	---------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	MAC Address
-	2	IP Address
	3	VLAN ID
	4	802.11g

4 S	0.000	281473913981724	13:58:35	13:58:59	00:24	23.76
-----	-------	-----------------	----------	----------	-------	-------

Which route will be used to reach host 192.168.1.55?

/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 2.2.2.2
-	2	Route via gateway 1.1.1.1
	3	Route via gateway 3.3.3.3

5 S	4.000	281473913981724	13:58:59	13:59:59	01:00	60.048
-----	-------	-----------------	----------	----------	-------	--------

DHCP server can serve clients without using IP address pool.

+	1	True
	2	False

6 S	0.000	281473913981724	13:59:59	14:00:26	00:27	26.454
-----	-------	-----------------	----------	----------	-------	--------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

-	1	Advanced-tools
	2	DHCP
	3	Routing
	4	No extra package required

7 S	4.000	281473913981724	14:00:26	14:01:40	01:14	73.511
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28
Default Gateway : 124.81.122.81
DNS Server : 124.81.122.91
Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	2	IP Address: 192.168.1.233/24



School name

first row

second row

third row



			Default Gateway: 124.81.122.91			
	+	3	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
8 S	0.000	281473913981724	14:01:40	14:02:43	01:03	63.015
	Consider this topology:					
	(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)					
	Static routing on RB has been properly configured.					
	Which configuration should be submitted on RA?					
		1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
	-	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			
9 M	0.000	281473913981724	14:02:43	14:03:56	01:13	73.073
	In the Route List, the identification DAB for a route stands for					
	+	1	dynamic - active - backup			
	-	2	direct - active - bgp			
	-	3	dynamic - active - bgp			
	+	4	direct - acknowledge - backup			
10 M	4.000	281473913981724	14:03:56	14:19:41	15:45	21.179
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.14			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.255			
11 S	0.000	281473913981724	14:04:30	14:05:26	00:56	56.067
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.					
	A PC with IP 192.168.1.2 can access internet.					
	When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.					
	What else should be done to keep Internet connection work for this PC?					
		1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		2	Another IP has to be added on the PC for Internet access			
	-	3	Nothing – it will work as before			
		4	MAC-Address of the new card has to be changed to gateway's MAC			
12 S	4.000	281473913981724	14:05:26	14:05:46	00:20	19.738
	A router has wireless and ethernet client interfaces, all client interfaces are bridged.					
	To create a DHCP service for all clients you must configure DHCP server on ...					
		1	every bridge port			
	+	2	only on bridge interface			
		3	ethernet and wireless interfaces			
		4	DHCP service is not possible in this setup			
13 S	4.000	281473913981724	14:05:46	14:19:14	13:28	6.077
	Consider this topology:					
	(10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24)					
	Assume that R2 and R3 has been configured for proper static routing configuration.					
	In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?					
		1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1			
		2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1			
	+	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2			
		4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
14 S	4.000	281473913981724	14:06:21	14:06:47	00:26	25.987
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
		1	False			
	+	2	True			
15 S	0.000	281473913981724	14:06:47	14:19:07	12:20	14.275
	When adding a static route, you must always ensure that you add both the gateway and the interface.					
	-	1	True			
		2	False			



School name

first row

second row

third row



16 M	0.000	281473913981724	14:07:13	14:18:53	11:40	31.523
When making router configuration export to file which of the statements are true:						
	+	1	The export file can be edited with a standard text editor after its creation			
	-	2	Export file name should be provided			
	+	3	Only full router configuration can be exported			
	-	4	Winbox usernames and passwords are backed up			
17 S	0.000	281473913981724	14:07:50	14:18:21	10:31	90.018
Which packages are mandatory required to create a Wireless Access Point?						
		1	Advanced-tools			
	-	2	DHCP			
		3	Routing			
		4	Wireless			
18 S	4.000	281473913981724	14:08:12	14:09:06	00:54	54.131
MAC Address defined in ... of OSI Model						
	+	1	Layer 2			
		2	Layer 3			
		3	Layer 6			
		4	Layer 7			
19 S	4.000	281473913981724	14:09:06	14:10:15	01:09	68.255
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
	+	2	On 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
		4	On 'wlan1'			
20 S	4.000	281473913981724	14:10:15	14:13:14	02:59	179.267
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	Unlimited			
	+	2	1			
		3	2			
		4	1024			
21 S	0.000	281473913981724	14:13:14	14:20:56	07:42	41.6
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
		1	True			
	-	2	False			
22 S	0.000	281473913981724	14:20:56	14:21:49	00:53	53.748
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	-	1	True			
		2	False			
23 S	0.000	281473913981724	14:21:49	14:22:01	00:12	11.273
What you cannot do with NETINSTALL?						
		1	Reinstalling RouterOS			
		2	Reset RouterOS password while maintaining the previous configuration			
	-	3	Reset the whole configuration of RouterOS			
24 S	4.000	281473913981724	14:22:01	14:22:33	00:32	32.209
Which of the following keystrokes enables safe mode in console:						
		1	Ctrl+s			
		2	Ctrl+c			
	+	3	Ctrl+x			
		4	Ctrl+d			
25 S	0.000	281473913981724	14:22:33	14:25:11	02:38	157.651
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	-	1	False			
		2	True			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472040
name: VIANDRO ALFARIS
user: 1472040
start time: 2018-10-01 13:50:51
end time: 2018-10-01 14:15:35
time: 00:24:44
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 60.000 / 100.000 (60%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 M	4.000	281473913981725	13:50:51	13:52:01	01:10	69.574
-----	-------	-----------------	----------	----------	-------	--------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Direct,Available,Connected
+	2	Dynamic,Active,Console
+	3	Dynamic,Active,Connected
+	4	Dynamic,Available,Created

2 S	4.000	281473913981725	13:52:01	13:52:30	00:29	29.242
-----	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

	1	Layer 7
+	2	Layer 2
	3	Layer 3
	4	Layer 6

3 S	4.000	281473913981725	13:52:30	13:53:22	00:52	51.452
-----	-------	-----------------	----------	----------	-------	--------

How long does **Level 1 (FREE) license** can be used?

	1	1 month
	2	3 years
+	3	infinite time
	4	24 hours

4 S	4.000	281473913981725	13:53:22	13:54:44	01:22	82.494
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28
Default Gateway : 124.81.122.81
DNS Server : 124.81.122.91
Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1

5 S	4.000	281473913981725	13:54:44	13:55:43	00:59	59.025
-----	-------	-----------------	----------	----------	-------	--------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

	1	DHCP service is not possible in this setup
	2	ethernet and wireless interfaces
+	3	only on bridge interface
	4	every bridge port

6 S	0.000	281473913981725	13:55:43	13:57:03	01:20	79.596
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should submitted on RA?

	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
-	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1

**School name**

first row

second row

third row



7 S	0.000	281473913981725	13:57:03	13:59:59	02:56	176.131
	Which is the default port for IP-WINBOX?					
	1	UDP/8291				
	2	TCP/8192				
	3	TCP/8291				
	-	4	TCP/80			
8 S	0.000	281473913981725	13:59:59	14:02:10	02:11	131.064
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	On 'br-lan'				
	-	2	On 'wlan1'			
	3	On both 'br-lan' and 'wlan1'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
9 S	0.000	281473913981725	14:02:10	14:03:56	01:46	105.69
	When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:					
	1	1				
	-	2	4			
	3	2				
	4	3				
10 S	4.000	281473913981725	14:03:56	14:05:50	01:54	113.459
	What you cannot do with NETINSTALL?					
	+	1	Reset RouterOS password while maintaining the previous configuration			
		2	Reinstalling RouterOS			
		3	Reset the whole configuration of RouterOS			
11 S	4.000	281473913981725	14:05:50	14:06:08	00:18	18.416
	You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.					
	+	1	True			
		2	False			
12 S	4.000	281473913981725	14:06:08	14:06:51	00:43	42.229
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
		1	True			
	+	2	False			
13 S	4.000	281473913981725	14:06:51	14:07:12	00:21	20.553
	Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20					
		1	Active route via both gateway			
		2	No active route			
	+	3	Active route via gateway 10.10.10.20			
		4	Active route via gateway 10.10.10.10			
14 S	4.000	281473913981725	14:07:12	14:07:51	00:39	39.781
	What kind of users are listed in the "/user" menu?					
		1	hotspot users			
		2	wireless users			
		3	pptp users			
	+	4	router users			
15 S	4.000	281473913981725	14:07:51	14:08:18	00:27	26.584
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	+	1	True			
		2	False			
16 S	4.000	281473913981725	14:08:18	14:08:50	00:32	31.714
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			



School name

first row

second row

third row



17 S	0.000	281473913981725	14:08:50	14:10:16	01:26	86.092
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
-	1	Route via gateway 1.1.1.1				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 2.2.2.2				
18 M	0.000	281473913981725	14:10:16	14:11:11	00:55	54.61
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
-	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.255				
+	4	192.169.0.1-192.169.0.254				
19 S	0.000	281473913981725	14:11:11	14:11:51	00:40	39.603
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	MAC Address				
-	2	IP Address				
	3	VLAN ID				
	4	802.11g				
20 S	0.000	281473913981725	14:11:51	14:12:55	01:04	64.037
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	1	False				
-	2	True				
21 S	0.000	281473913981725	14:12:55	14:13:12	00:17	17.251
DHCP server can serve clients without using IP address pool.						
-	1	False				
	2	True				
22 S	4.000	281473913981725	14:13:12	14:13:25	00:13	13.089
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
23 S	4.000	281473913981725	14:13:25	14:13:34	00:09	8.607
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	1024				
	3	Unlimited				
+	4	1				
24 S	4.000	281473913981725	14:13:34	14:15:02	01:28	88.104
Which packages are mandatory required to create a Wireless Access Point?						
	1	DHCP				
+	2	Wireless				
	3	Routing				
	4	Advanced-tools				
25 S	0.000	281473913981725	14:15:02	14:15:35	00:33	32.759
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+x				
	3	Ctrl+c				
-	4	Ctrl+s				

**School name**

first row

second row

third row

**test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1**

surname: 1572035
name: William Gautama
user: 1572035
start time: 2018-10-01 13:51:19
end time: 2018-10-01 14:12:46
time: 00:21:27
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 64.000 / 100.000 (64%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981720	13:51:19	13:54:42	03:23	202.539
		Define a routing loop (choose the most precise description)				
	+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires			
		2	Situation where the packet is routed through the same router twice			
		3	Situation where the TTL of the packet expires			
		4	Situation where the packet does not reach it's destination			
2 S	4.000	281473913981720	13:54:42	13:57:55	03:13	8.36
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
		1	Advanced-tools			
		2	DHCP			
		3	Routing			
	+	4	No extra package required			
3 S	4.000	281473913981720	13:56:47	14:01:42	04:55	87.551
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall service-ports			
		2	/system resource			
	+	3	/ip services			
		4	/ip firewall filter			
4 S	4.000	281473913981720	13:57:27	14:08:55	11:28	2.813
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
		1	Nothing – it will work as before			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	Another IP has to be added on the PC for Internet access			
5 S	4.000	281473913981720	13:57:32	13:59:54	02:22	3.647
		Which of the protocols below is used by Netinstall?				
		1	RARP			
		2	DHCP			
		3	ARP			
	+	4	BOOTP			
6 S	0.000	281473913981720	14:01:49	14:02:02	00:13	12.502
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
	-	1	False			
		2	True			
7 S	0.000	281473913981720	14:02:03	14:02:36	00:33	32.756
		Which of the following keystrokes enables safe mode in console:				
		1	Ctrl+x			
		2	Ctrl+s			
		3	Ctrl+c			
	-	4	Ctrl+d			
8 S	4.000	281473913981720	14:02:36	14:03:26	00:50	49.333
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	VLAN ID			



School name

first row

second row

third row



	2	802.11g
+	3	MAC Address
	4	IP Address

9 S	4.000	281473913981720	14:03:27	14:03:41	00:14	14.079
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

10 S	4.000	281473913981720	14:03:42	14:04:01	00:19	18.507
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
	2	DHCP service is not possible in this setup				
+	3	only on bridge interface				
	4	ethernet and wireless interfaces				

11 S	4.000	281473913981720	14:04:01	14:04:35	00:34	33.886
<p>Consider this topology:</p> <p>(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)</p> <p>Static routing on RB has been properly configured. Which configuration should submitted on RA?</p>						
+		1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
		4	/ip route add dst-address=10.10.10.0/24 gatway=10.10.10.2			

12 M	0.000	281473913981720	14:04:36	14:04:51	00:15	14.926
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
-	2	192.168.0.1-192.168.0.14				
+	3	192.169.0.1-192.169.0.254				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				

13 S	0.000	281473913981720	14:04:51	14:05:25	00:34	33.896
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	On 'br-lan'				
-	2	On both 'br-lan' and 'wlan1'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

14 S	0.000	281473913981720	14:05:26	14:06:02	00:36	35.463
What kind of users are listed in the "/user" menu?						
	1	hotspot users				
	2	router users				
-	3	wireless users				
	4	pptp users				

15 S	0.000	281473913981720	14:06:03	14:06:36	00:33	33.369
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	1	False				
-	2	True				

16 S	4.000	281473913981720	14:06:37	14:06:47	00:10	9.954
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
+	1	True				
	2	False				

17 S	0.000	281473913981720	14:06:47	14:08:13	01:26	85.701
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
-	2	Route via gateway 3.3.3.3				
	3	Route via gateway 2.2.2.2				



School name

first row

second row

third row



18 S	4.000	281473913981720	14:08:13	14:09:56	01:43	47.758
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
19 S	0.000	281473913981720	14:09:57	14:10:12	00:15	15.602
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
-	3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
20 S	0.000	281473913981720	14:10:13	14:10:47	00:34	34.382
Consider this topology:						
(10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24)						
Assume that R2 and R3 has been configured for proper static routing configuration.						
In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2				
-	3	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				
21 S	4.000	281473913981720	14:10:48	14:11:01	00:13	12.707
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				
	2	Unlimited				
	3	2				
	4	1024				
22 S	4.000	281473913981720	14:11:02	14:11:12	00:10	9.937
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				
23 M	4.000	281473913981720	14:11:12	14:11:33	00:21	20.738
Mark correct statements.						
+	1	Export files are not editable				
+	2	Backup files are editable				
+	3	Backup files are not editable				
24 S	4.000	281473913981720	14:11:34	14:11:45	00:11	10.533
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981720	14:11:45	14:12:46	01:01	60.939
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
	1	Write a script in 'system script' to set the clock.				
	2	Open the router and ensure the CMOS battery is fine.				
	3	Configure '/system ntp server' and set a valid and reachable NTP client address.				
+	4	Configure '/system ntp client' and set a valid and reachable NTP server address.				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572008
 name: Gisela Kurniawati
 user: 1572008
 start time: 2018-10-01 13:59:39
 end time: 2018-10-01 14:40:37
 time: 00:40:58
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 72.000 / 100.000 (72%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473568517814	13:59:39	13:59:54	00:15	14.027
-----	-------	-----------------	----------	----------	-------	--------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

+	1	1
	2	Unlimited
	3	1024
	4	2

2 S	4.000	281473568517814	14:00:01	14:31:38	31:37	5.186
-----	-------	-----------------	----------	----------	-------	-------

Which default route will be active?

/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10
 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20

+	1	Active route via gateway 10.10.10.20
	2	Active route via gateway 10.10.10.10
	3	No active route
	4	Active route via both gateway

3 S	4.000	281473568517814	14:02:59	14:03:30	00:31	31.044
-----	-------	-----------------	----------	----------	-------	--------

Which is the default port for IP-WINBOX?

	1	TCP/80
	2	UDP/8291
+	3	TCP/8291
	4	TCP/8192

4 S	0.000	281473568517814	14:03:37	14:04:58	01:21	80.909
-----	-------	-----------------	----------	----------	-------	--------

In order to import a configuration, you **do not** need to reboot the router

	1	True
-	2	False

5 S	4.000	281473568517814	14:04:59	14:10:04	05:05	13.05
-----	-------	-----------------	----------	----------	-------	-------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

+	1	No extra package required
	2	Routing
	3	DHCP
	4	Advanced-tools

6 S	4.000	281473568517814	14:07:40	14:10:25	02:45	19.497
-----	-------	-----------------	----------	----------	-------	--------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	On both 'br-lan' and 'wlan1'
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'
	4	On 'wlan1'

7 S	4.000	281473568517814	14:10:25	14:11:46	01:21	76.857
-----	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

	1	Layer 7
	2	Layer 3
+	3	Layer 2
	4	Layer 6

8 S	4.000	281473568517814	14:11:47	14:14:22	02:35	154.918
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.



School name

first row

second row

third row



Which configuration should be submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
9 S	4.000	281473568517814	14:14:23	14:14:38	00:15	14.709
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	ethernet and wireless interfaces				
	3	every bridge port				
	4	DHCP service is not possible in this setup				
10 S	4.000	281473568517814	14:14:39	14:16:51	02:12	2.747
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
+	1	System				
	2	Routing				
	3	Hotspot				
	4	Advanced-Tools				
	5	BGP				
11 M	4.000	281473568517814	14:16:55	14:17:37	00:42	41.889
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.14				
+	2	192.168.0.1-192.168.0.255				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				
12 S	4.000	281473568517814	14:17:39	14:18:37	00:58	57.633
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	VLAN ID				
+	2	MAC Address				
	3	802.11g				
	4	IP Address				
13 S	0.000	281473568517814	14:18:37	14:21:11	02:34	125.455
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 3.3.3.3				
-	2	Route via gateway 1.1.1.1				
	3	Route via gateway 2.2.2.2				
14 S	4.000	281473568517814	14:21:11	14:24:16	03:05	122.138
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				
15 S	0.000	281473568517814	14:24:16	14:25:25	01:09	68.757
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
-	3	Nothing – it will work as before				
	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
16 S	0.000	281473568517814	14:25:27	14:25:44	00:17	17.49
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	3 years				
-	3	24 hours				
	4	infinite time				
17 S	4.000	281473568517814	14:25:45	14:27:10	01:25	84.778
Define a routing loop (choose the most precise description)						



School name

first row

second row

third row



+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires
	2	Situation where the TTL of the packet expires
	3	Situation where the packet is routed through the same router twice
	4	Situation where the packet does not reach it's destination

18 S	4.000	281473568517814	14:27:11	14:27:41	00:30	29.76
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	4				
+	3	2				
	4	1				

19 S	4.000	281473568517814	14:27:42	14:28:39	00:57	56.49
Which packages are mandatory required to create a Wireless Access Point?						
	1	Routing				
+	2	Wireless				
	3	DHCP				
	4	Advanced-tools				

20 S	0.000	281473568517814	14:28:48	14:30:04	01:16	75.515
DHCP server can serve clients without using IP address pool.						
-	1	False				
	2	True				

21 S	0.000	281473568517814	14:30:05	14:35:01	04:56	91.999
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
-	1	False				
	2	True				

22 S	0.000	281473568517814	14:35:01	14:35:50	00:49	48.261
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
-	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				

23 S	4.000	281473568517814	14:35:56	14:38:13	02:17	137.09
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

24 S	4.000	281473568517814	14:38:14	14:39:53	01:39	98.679
Which of the protocols below is used by Netinstall?						
	1	ARP				
+	2	BOOTP				
	3	DHCP				
	4	RARP				

25 S	4.000	281473568517814	14:39:54	14:40:37	00:43	42.071
Which of the following keystrokes enables safe mode in console:						
+	1	Ctrl+x				
	2	Ctrl+d				
	3	Ctrl+c				
	4	Ctrl+s				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-10-01 13:51:43 end time: 2018-10-01 14:47:44 time: 00:56:01 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 72.000 / 100.000 (72%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981704	13:51:43	13:56:54	05:11	2.187
-----	-------	-----------------	----------	----------	-------	-------

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

	1	4
	2	3
	3	1
+	4	2

2 S	4.000	281473913981704	13:55:15	13:57:17	02:02	22.673
-----	-------	-----------------	----------	----------	-------	--------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'
	3	On 'wlan1'
	4	On both 'br-lan' and 'wlan1'

3 M	4.000	281473913981704	13:57:17	13:58:15	00:58	57.62
-----	-------	-----------------	----------	----------	-------	-------

In the Route List, the identification DAB for a route stands for

+	1	direct - acknowledge - backup
+	2	direct - active - bgp
+	3	dynamic - active - bgp
+	4	dynamic - active - backup

4 S	0.000	281473913981704	13:58:15	13:59:43	01:28	87.538
-----	-------	-----------------	----------	----------	-------	--------

You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.

	1	False
-	2	True

5 M	4.000	281473913981704	13:59:43	14:01:28	01:45	105.417
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic,Active,Connected
+	2	Dynamic,Available,Created
+	3	Dynamic,Active,Console
+	4	Direct,Available,Connected

6 S	4.000	281473913981704	14:01:28	14:03:20	01:52	111.635
-----	-------	-----------------	----------	----------	-------	---------

RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.

	1	False
+	2	True

7 S	4.000	281473913981704	14:03:20	14:46:02	42:42	33.611
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(10.1.1.0/24)**R1**(172.16.0.1) --- (172.16.0.2)**R2**(172.30.10.1) --- (172.30.10.2)**R3**(192.168.10.0/24)

Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

8 S	4.000	281473913981704	14:07:02	14:07:20	00:18	17.749
-----	-------	-----------------	----------	----------	-------	--------

If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.

+	1	False
	2	True



School name

first row

second row

third row



9 S	4.000	281473913981704	14:07:20	14:07:34	00:14	14.048
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
+	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
10 S	4.000	281473913981704	14:07:34	14:08:22	00:48	48.074
Which configuration menu should you use to change router's Winbox default port?						
+	1	/ip services				
	2	/system resource				
	3	/ip firewall service-ports				
	4	/ip firewall filter				
11 S	4.000	281473913981704	14:08:22	14:09:20	00:58	58.094
What kind of users are listed in the "/user" menu?						
	1	wireless users				
	2	hotspot users				
+	3	router users				
	4	pptp users				
12 S	4.000	281473913981704	14:09:20	14:12:06	02:46	165.944
In order to import a configuration, you do not need to reboot the router						
+	1	True				
	2	False				
13 S	4.000	281473913981704	14:12:06	14:13:27	01:21	80.764
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
14 S	0.000	281473913981704	14:13:27	14:17:24	03:57	236.215
Define a routing loop (choose the most precise description)						
	1	Situation where the packet is routed through the same router twice				
	2	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	3	Situation where the TTL of the packet expires				
-	4	Situation where the packet does not reach it's destination				
15 S	4.000	281473913981704	14:17:24	14:17:47	00:23	23.394
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	Unlimited				
	2	1024				
	3	2				
+	4	1				
16 S	0.000	281473913981704	14:17:47	14:18:01	00:14	13.445
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
	3	Another IP has to be added on the PC for Internet access				
-	4	Nothing – it will work as before				
17 S	4.000	281473913981704	14:18:01	14:20:30	02:29	148.671
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+	1	No extra package required				
	2	Advanced-tools				
	3	DHCP				
	4	Routing				

**School name**first row
second row
third row

18 S	4.000	281473913981704	14:20:30	14:22:17	01:47	107.538
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	+	1	MAC Address			
		2	VLAN ID			
		3	IP Address			
		4	802.11g			
19 S	4.000	281473913981704	14:22:17	14:22:36	00:19	18.723
MAC Address defined in ... of OSI Model						
		1	Layer 3			
	+	2	Layer 2			
		3	Layer 7			
		4	Layer 6			
20 S	4.000	281473913981704	14:22:36	14:24:54	02:18	137.755
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
		1	False			
	+	2	True			
21 S	0.000	281473913981704	14:24:54	14:25:15	00:21	21.216
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
		1	DHCP service is not possible in this setup			
		2	only on bridge interface			
		3	every bridge port			
	-	4	ethernet and wireless interfaces			
22 M	0.000	281473913981704	14:25:15	14:28:28	03:13	192.71
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	+	1	system			
	+	2	routing			
	-	3	wireless			
	+	4	dhcp			
	+	5	advanced-tools			
23 M	0.000	281473913981704	14:28:28	14:30:09	01:41	100.861
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.169.0.1-192.169.0.254			
	+	2	192.168.0.1-192.168.0.255			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	4	192.168.0.1-192.168.0.14			
24 S	0.000	281473913981704	14:30:09	14:46:45	16:36	5.53
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
		1	Advanced-Tools			
		2	Routing			
		3	System			
		4	Hotspot			
	-	5	BGP			
25 S	4.000	281473913981704	14:46:45	14:47:44	00:59	59.15
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
		1	Configure '/system ntp server' and set a valid and reachable NTP client address.			
		2	Open the router and ensure the CMOS battery is fine.			
	+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		4	Write a script in 'system script' to set the clock.			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472028
 name: Johan Gautama Irawan
 user: 1472028
 start time: 2018-10-01 13:51:37
 end time: 2018-10-01 14:31:38
 time: 00:40:01
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 76.000 / 100.000 (76%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	0.000	281473913981716	13:51:37	13:54:27	02:50	169.758
-----	-------	-----------------	----------	----------	-------	---------

Which route will be used to reach host 192.168.1.55?

/ip route

add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1

add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2

add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

1 Route via gateway 2.2.2.2

- 2 Route via gateway 1.1.1.1

3 Route via gateway 3.3.3.3

2 S	4.000	281473913981716	13:54:27	13:58:04	03:37	153.725
-----	-------	-----------------	----------	----------	-------	---------

Define a routing loop (choose the most precise description)

+ 1 Situation where the packet is routed through the same sequence of routers until the TTL expires

2 Situation where the packet is routed through the same router twice

3 Situation where the TTL of the packet expires

4 Situation where the packet does not reach it's destination

3 S	4.000	281473913981716	13:58:15	13:58:22	00:07	7.47
-----	-------	-----------------	----------	----------	-------	------

How long does **Level 1 (FREE) license** can be used?

1 1 month

+ 2 infinite time

3 24 hours

4 3 years

4 S	4.000	281473913981716	13:58:25	13:59:08	00:43	43.338
-----	-------	-----------------	----------	----------	-------	--------

You have a DHCP server on your MikroTik router.

The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network.

After a while 20 more IP Addresses need to be distributed in the network.

It is possible to distribute the extra IP Addresses without adding another DHCP Server.

1 False

+ 2 True

5 S	4.000	281473913981716	13:59:12	13:59:54	00:42	42.161
-----	-------	-----------------	----------	----------	-------	--------

Which is the default port for IP-WINBOX?

1 TCP/8192

2 UDP/8291

3 TCP/80

+ 4 TCP/8291

6 S	0.000	281473913981716	14:00:03	14:02:21	02:18	137.551
-----	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

- 1 False

2 True

7 S	4.000	281473913981716	14:02:26	14:04:30	02:04	117.027
-----	-------	-----------------	----------	----------	-------	---------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

+ 1 No extra package required

2 Advanced-tools

3 Routing

4 DHCP

8 S	4.000	281473913981716	14:04:35	14:31:38	27:03	159.617
-----	-------	-----------------	----------	----------	-------	---------

Which of the following keystrokes enables safe mode in console:

1 Ctrl+s

2 Ctrl+d

3 Ctrl+c



School name

first row

second row

third row



	+	4	Ctrl+x				
9 S	4.000	281473913981716	14:05:36	14:06:11	00:35	32.205	
	A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface				
		2	every bridge port				
		3	ethernet and wireless interfaces				
		4	DHCP service is not possible in this setup				
10 S	4.000	281473913981716	14:06:12	14:06:30	00:18	18.593	
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	+	1	False				
		2	True				
11 S	4.000	281473913981716	14:06:32	14:06:47	00:15	15.185	
	How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2				
		2	Unlimited				
	+	3	1				
		4	1024				
12 M	0.000	281473913981716	14:06:48	14:07:13	00:25	24.737	
	Mark correct statements.						
	+	1	Backup files are not editable				
	-	2	Backup files are editable				
	-	3	Export files are not editable				
13 S	0.000	281473913981716	14:07:15	14:08:21	01:06	66.367	
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	-	1	On 'wlan1'				
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
		3	On both 'br-lan' and 'wlan1'				
		4	On 'br-lan'				
14 S	0.000	281473913981716	14:08:23	14:28:51	20:28	69.449	
	What kind of users are listed in the "/user" menu?						
		1	wireless users				
		2	router users				
	-	3	hotspot users				
		4	pptp users				
15 S	4.000	281473913981716	14:09:04	14:09:28	00:24	23.695	
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
		1	False				
	+	2	True				
16 M	4.000	281473913981716	14:09:29	14:10:18	00:49	49.211	
	In the Route List, the identification DAb for a route stands for						
	+	1	dynamic - active - backup				
	+	2	direct - acknowledge - backup				
	+	3	dynamic - active - bgp				
	+	4	direct - active - bgp				
17 M	4.000	281473913981716	14:10:20	14:10:54	00:34	33.074	
	When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Connected				
	+	2	Dynamic,Active,Console				
	+	3	Direct,Available,Connected				
	+	4	Dynamic,Available,Created				
18 S	4.000	281473913981716	14:10:58	14:11:48	00:50	49.44	
	You have a router with these configuration:						
	Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
	Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24				



School name

first row

second row

third row



		Default Gateway: 192.168.2.1				
	2	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
+	3	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				

19 S	4.000	281473913981716	14:11:53	14:13:20	01:27	86.397
	Consider this topology:					
	(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)					
	Static routing on RB has been properly configured.					
	Which configuration should be submitted on RA?					
	+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
		4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			

20 S	4.000	281473913981716	14:13:21	14:13:45	00:24	24.064
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.					
	A PC with IP 192.168.1.2 can access internet.					
	When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.					
	What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			

21 S	4.000	281473913981716	14:13:49	14:14:08	00:19	18.914
	In order to import a configuration, you do not need to reboot the router					
		1	False			
	+	2	True			

22 S	4.000	281473913981716	14:14:13	14:14:35	00:22	21.492
	If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.					
		1	True			
	+	2	False			

23 S	4.000	281473913981716	14:14:36	14:14:52	00:16	15.629
	When sending out an ARP request, an IP host is expecting what kind of address for an answer?					
		1	IP Address			
		2	VLAN ID			
		3	802.11g			
	+	4	MAC Address			

24 M	0.000	281473913981716	14:14:55	14:26:15	11:20	44.341
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.169.0.1-192.169.0.254			
	-	2	192.168.0.1-192.168.0.14			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.255			

25 S	4.000	281473913981716	14:16:20	14:16:33	00:13	13.259
	MAC Address defined in ... of OSI Model					
		1	Layer 3			
		2	Layer 6			
	+	3	Layer 2			
		4	Layer 7			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672065 name: JESIKA ANASTASIA SAUNUNU user: 1672065 start time: 2018-10-01 13:51:26 end time: 2018-10-01 14:51:00 time: 00:59:34 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 76.000 / 100.000 (76%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981707	13:51:26	13:54:18	02:52	171.201
-----	-------	-----------------	----------	----------	-------	---------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	802.11g
	2	VLAN ID
+	3	MAC Address
	4	IP Address

2 M	0.000	281473913981707	13:54:19	13:57:47	03:28	207.828
-----	-------	-----------------	----------	----------	-------	---------

DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:

-	1	192.168.0.1-192.168.0.14
+	2	192.168.0.1-192.168.0.255
+	3	192.169.0.1-192.169.0.254
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254

3 S	4.000	281473913981707	13:57:48	14:00:43	02:55	174.622
-----	-------	-----------------	----------	----------	-------	---------

Which route will be used to reach host 192.168.1.55?

/ip route

add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1

add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2

add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 3.3.3.3
	2	Route via gateway 1.1.1.1
+	3	Route via gateway 2.2.2.2

4 S	0.000	281473913981707	14:00:45	14:04:32	03:47	226.512
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should submitted on RA?

	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
-	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
	4	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1

5 M	4.000	281473913981707	14:04:33	14:07:36	03:03	183.065
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic, Available, Created
+	2	Dynamic, Active, Console
+	3	Direct, Available, Connected
+	4	Dynamic, Active, Connected

6 S	4.000	281473913981707	14:07:37	14:08:24	00:47	47.023
-----	-------	-----------------	----------	----------	-------	--------

If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.

+	1	False
	2	True

7 S	0.000	281473913981707	14:08:25	14:13:45	05:20	319.304
-----	-------	-----------------	----------	----------	-------	---------

You need to use "static routing" feature of MikroTik RouterOS.

What is the necessary package you need to install?

-	1	Routing
	2	Advanced-Tools
	3	BGP
	4	System

**School name**

first row

second row

third row



	5	Hotspot				
8 M	4.000	281473913981707	14:13:57	14:15:48	01:51	111.036
	Mark correct statements.					
	+	1	Backup files are editable			
	+	2	Backup files are not editable			
	+	3	Export files are not editable			
9 S	4.000	281473913981707	14:15:50	14:16:48	00:58	57.743
	Which of the following keystrokes enables safe mode in console:					
		1	Ctrl+c			
		2	Ctrl+s			
		3	Ctrl+d			
	+	4	Ctrl+x			
10 S	4.000	281473913981707	14:17:04	14:21:10	04:06	245.804
	A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...					
		1	every bridge port			
		2	ethernet and wireless interfaces			
	+	3	only on bridge interface			
		4	DHCP service is not possible in this setup			
11 S	4.000	281473913981707	14:21:11	14:21:50	00:39	38.738
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	+	1	True			
		2	False			
12 S	4.000	281473913981707	14:22:01	14:23:25	01:24	83.415
	MAC Address defined in ... of OSI Model					
		1	Layer 6			
		2	Layer 7			
		3	Layer 3			
	+	4	Layer 2			
13 S	4.000	281473913981707	14:23:26	14:25:09	01:43	103.152
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
		1	2			
		2	1024			
	+	3	1			
		4	Unlimited			
14 S	4.000	281473913981707	14:25:10	14:25:30	00:20	20.038
	When adding a static route, you must always ensure that you add both the gateway and the interface.					
		1	True			
	+	2	False			
15 S	4.000	281473913981707	14:25:36	14:28:29	02:53	173.012
	Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20					
	+	1	Active route via gateway 10.10.10.20			
		2	No active route			
		3	Active route via both gateway			
		4	Active route via gateway 10.10.10.10			
16 S	0.000	281473913981707	14:28:31	14:31:17	02:46	165.357
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	-	2	Another IP has to be added on the PC for Internet access			
		3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	MAC-Address of the new card has to be changed to gateway's MAC			
17 S	4.000	281473913981707	14:31:18	14:31:43	00:25	24.474
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
		1	True			
	+	2	False			

**School name**

first row

second row

third row



18 M	4.000	281473913981707	14:31:44	14:34:01	02:17	136.586
In the Route List, the identification DAB for a route stands for						
+		1	direct - acknowledge - backup			
+		2	dynamic - active - bgp			
+		3	dynamic - active - backup			
+		4	direct - active - bgp			
19 S	0.000	281473913981707	14:34:03	14:37:43	03:40	219.779
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		2	On 'wlan1'			
		3	On 'br-lan'			
-		4	On both 'br-lan' and 'wlan1'			
20 S	4.000	281473913981707	14:37:43	14:39:12	01:29	8.081
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
+		1	True			
		2	False			
21 S	4.000	281473913981707	14:39:14	14:41:16	02:02	122.459
Which packages are mandatory required to create a Wireless Access Point?						
		1	Advanced-tools			
		2	DHCP			
		3	Routing			
+		4	Wireless			
22 M	0.000	281473913981707	14:42:09	14:46:53	04:44	8.726
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
-		1	dhcp			
+		2	advanced-tools			
-		3	system			
-		4	routing			
+		5	wireless			
23 S	4.000	281473913981707	14:46:36	14:47:54	01:18	61.302
What kind of users are listed in the "/user" menu?						
		1	wireless users			
		2	pptp users			
		3	hotspot users			
+		4	router users			
24 S	4.000	281473913981707	14:47:55	14:48:42	00:47	47.751
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+		1	No extra package required			
		2	DHCP			
		3	Advanced-tools			
		4	Routing			
25 S	4.000	281473913981707	14:48:43	14:51:00	02:17	136.783
DHCP server can serve clients without using IP address pool.						
		1	False			
+		2	True			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572040 name: Rossevina Artha Natasya user: 1572040 start time: 2018-10-01 13:52:22 end time: 2018-10-01 14:52:13 time: 00:59:51 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 80.000 / 100.000 (80%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	13:52:22	13:59:43	07:21	440.117
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	+	1	1			
		2	Unlimited			
		3	1024			
		4	2			
2 S	4.000	281473913981699	13:59:43	14:04:59	05:16	85.684
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	+	1	No extra package required			
		2	DHCP			
		3	Routing			
		4	Advanced-tools			
3 M	4.000	281473913981699	14:04:59	14:05:42	00:43	42.833
		Mark correct statements.				
	+	1	Export files are not editable			
	+	2	Backup files are not editable			
	+	3	Backup files are editable			
4 S	4.000	281473913981699	14:05:42	14:13:29	07:47	217.328
		In order to import a configuration, you do not need to reboot the router				
		1	False			
	+	2	True			
5 M	4.000	281473913981699	14:13:32	14:14:27	00:55	54.919
		In the Route List, the identification DAb for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - active - bgp			
	+	4	direct - acknowledge - backup			
6 S	0.000	281473913981699	14:14:28	14:18:06	03:38	217.471
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'			
	-	2	On both 'br-lan' and 'wlan1'			
		3	On 'br-lan'			
		4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
7 M	0.000	281473913981699	14:18:06	14:20:22	02:16	136.343
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	-	3	192.168.0.1-192.168.0.14			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
8 S	4.000	281473913981699	14:20:23	14:21:05	00:42	41.411
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall filter			
		2	/ip firewall service-ports			
	+	3	/ip services			
		4	/system resource			
9 S	4.000	281473913981699	14:21:06	14:23:40	02:34	154.313



School name

first row

second row

third row



When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	802.11g				
	2	IP Address				
	3	VLAN ID				
+	4	MAC Address				
10 S	4.000	281473913981699	14:23:42	14:24:53	01:11	71.138
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			
11 S	4.000	281473913981699	14:24:54	14:26:42	01:48	107.512
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
+	2	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.0.1/24				
		Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				
12 S	4.000	281473913981699	14:26:43	14:28:03	01:20	80.051
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 3.3.3.3				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 1.1.1.1				
13 S	4.000	281473913981699	14:28:05	14:28:53	00:48	48.108
What kind of users are listed in the "/user" menu?						
	+	1	router users			
		2	pptp users			
		3	hotspot users			
		4	wireless users			
14 S	4.000	281473913981699	14:28:56	14:30:39	01:43	102.916
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.						
Select the best solution for the problem.						
	1	Configure '/system ntp server' and set a valid and reachable NTP client address.				
+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	3	Write a script in 'system script' to set the clock.				
	4	Open the router and ensure the CMOS battery is fine.				
15 S	4.000	281473913981699	14:30:40	14:32:06	01:26	85.369
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
16 S	4.000	281473913981699	14:32:06	14:35:59	03:53	18.994
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			
17 S	4.000	281473913981699	14:35:32	14:36:45	01:13	44.714
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 3				
	4	Layer 6				
18 S	0.000	281473913981699	14:37:44	14:40:53	03:09	188.997



School name

first row

second row

third row



You need to use "static routing" feature of MikroTik RouterOS.
What is the necessary package you need to install?

	1	System
-	2	Advanced-Tools
	3	Routing
	4	BGP
	5	Hotspot

19 S	4.000	281473913981699	14:40:53	14:41:19	00:26	26.128
Define a routing loop (choose the most precise description)						
	1	Situation where the packet does not reach it's destination				
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	3	Situation where the TTL of the packet expires				
	4	Situation where the packet is routed through the same router twice				

20 S	0.000	281473913981699	14:41:19	14:46:00	04:41	30.978
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	infinite time				
	3	3 years				
-	4	24 hours				

21 S	4.000	281473913981699	14:46:00	14:47:12	01:12	71.758
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	1				
	3	4				
+	4	2				

22 S	0.000	281473913981699	14:47:12	14:49:37	02:25	2.256
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	True				
-	2	False				

23 S	4.000	281473913981699	14:49:07	14:50:33	01:26	55.425
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Another IP has to be added on the PC for Internet access				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Nothing – it will work as before				

24 S	4.000	281473913981699	14:50:33	14:51:47	01:14	74.041
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	DHCP service is not possible in this setup				
	3	every bridge port				
	4	ethernet and wireless interfaces				

25 S	4.000	281473913981699	14:51:47	14:52:13	00:26	26.332
Consider this topology: (192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should be submitted on RA?						
	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672061 name: LARAS APRILIANI user: 1672061 start time: 2018-10-01 13:51:24 end time: 2018-10-01 14:45:17 time: 00:53:53 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 84.000 / 100.000 (84%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981708	13:51:24	13:51:47	00:23	22.862
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	+	1	True			
		2	False			
2 S	4.000	281473913981708	13:51:47	13:51:58	00:11	11.508
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
		1	2			
		2	Unlimited			
	+	3	1			
		4	1024			
3 S	0.000	281473913981708	13:51:58	14:45:17	53:19	2.999
		Define a routing loop (choose the most precise description)				
	-	1	Situation where the packet does not reach it's destination			
		2	Situation where the TTL of the packet expires			
		3	Situation where the packet is routed through the same sequence of routers until the TTL expires			
		4	Situation where the packet is routed through the same router twice			
4 S	4.000	281473913981708	13:57:12	13:57:47	00:35	35.004
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
		1	False			
	+	2	True			
5 M	0.000	281473913981708	13:57:47	14:02:48	05:01	300.729
		When making router configuration export to file which of the statements are true:				
	-	1	Winbox usernames and passwords are backed up			
	+	2	Export file name should be provided			
	+	3	Only full router configuration can be exported			
	+	4	The export file can be edited with a standard text editor after its creation			
6 S	4.000	281473913981708	14:02:48	14:03:17	00:29	29.561
		In order to import a configuration, you do not need to reboot the router				
		1	False			
	+	2	True			
7 S	4.000	281473913981708	14:03:17	14:03:24	00:07	6.17
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
		1	ethernet and wireless interfaces			
		2	DHCP service is not possible in this setup			
	+	3	only on bridge interface			
		4	every bridge port			
8 S	4.000	281473913981708	14:03:24	14:03:43	00:19	19.263
		Which is the default port for IP-WINBOX?				
		1	TCP/8192			
		2	TCP/80			
		3	UDP/8291			
	+	4	TCP/8291			
9 S	4.000	281473913981708	14:03:43	14:31:48	28:05	27.306
		Which route will be used to reach host 192.168.1.55?				



School name

first row

second row

third row



```
/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3
```

	1	Route via gateway 1.1.1.1
	2	Route via gateway 3.3.3.3
+	3	Route via gateway 2.2.2.2

10 S	4.000	281473913981708	14:05:53	14:06:15	00:22	22.675
	When sending out an ARP request, an IP host is expecting what kind of address for an answer?					
	1	IP Address				
+	2	MAC Address				
	3	802.11g				
	4	VLAN ID				

11 S	4.000	281473913981708	14:06:15	14:07:28	01:13	72.89
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				

12 S	0.000	281473913981708	14:07:28	14:08:34	01:06	65.345
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Another IP has to be added on the PC for Internet access				
	-	Nothing – it will work as before				
	4	MAC-Address of the new card has to be changed to gateway's MAC				

13 M	0.000	281473913981708	14:08:34	14:11:06	02:32	152.414
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.255			
	-	2	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	3	192.169.0.1-192.169.0.254			
	+	4	192.168.0.1-192.168.0.14			

14 S	4.000	281473913981708	14:11:06	14:14:02	02:56	175.079
Which configuration menu should you use to change router's Winbox default port?						
+	1	/ip services				
	2	/system resource				
	3	/ip firewall service-ports				
	4	/ip firewall filter				

15 S	4.000	281473913981708	14:14:02	14:17:24	03:22	201.837
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				

16 S	4.000	281473913981708	14:17:24	14:18:39	01:15	74.918
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	3				
	4	4				

17 S	4.000	281473913981708	14:18:39	14:19:03	00:24	24.635
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			

18 S	4.000	281473913981708	14:19:03	14:23:19	04:16	255.586
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration.						

**School name**

first row

second row

third row



In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

19 S	4.000	281473913981708	14:23:19	14:25:15	01:56	115.813
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	1	Routing				
+	2	System				
	3	Advanced-Tools				
	4	Hotspot				
	5	BGP				

20 S	4.000	281473913981708	14:25:15	14:25:44	00:29	28.405
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+	1	No extra package required				
	2	Routing				
	3	DHCP				
	4	Advanced-tools				

21 S	4.000	281473913981708	14:25:44	14:27:41	01:57	117.689
Which of the protocols below is used by Netinstall?						
	1	DHCP				
	2	ARP				
+	3	BOOTP				
	4	RARP				

22 S	4.000	281473913981708	14:27:41	14:28:19	00:38	37.605
What kind of users are listed in the "/user" menu?						
	1	wireless users				
+	2	router users				
	3	hotspot users				
	4	pptp users				

23 M	4.000	281473913981708	14:28:19	14:29:46	01:27	86.935
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	direct - acknowledge - backup				
+	3	dynamic - active - bgp				
+	4	direct - active - bgp				

24 S	4.000	281473913981708	14:29:46	14:29:50	00:04	3.567
MAC Address defined in ... of OSI Model						
	1	Layer 7				
	2	Layer 6				
+	3	Layer 2				
	4	Layer 3				

25 S	4.000	281473913981708	14:29:50	14:30:27	00:37	36.794
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	Active route via both gateway				
	2	No active route				
+	3	Active route via gateway 10.10.10.20				
	4	Active route via gateway 10.10.10.10				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-10-01 13:51:54 end time: 2018-10-01 14:35:53 time: 00:43:59 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 84.000 / 100.000 (84%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981697	13:51:54	13:52:57	01:03	62.839
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

<input type="checkbox"/>	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
<input type="checkbox"/>	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
<input type="checkbox"/>	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
<input checked="" type="checkbox"/>	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1

2 S	4.000	281473913981697	13:52:57	14:32:40	39:43	354.407
-----	-------	-----------------	----------	----------	-------	---------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

<input type="checkbox"/>	1	DHCP
<input type="checkbox"/>	2	Advanced-tools
<input checked="" type="checkbox"/>	3	No extra package required
<input type="checkbox"/>	4	Routing

3 S	4.000	281473913981697	13:53:34	13:53:49	00:15	15.83
-----	-------	-----------------	----------	----------	-------	-------

MAC Address defined in ... of OSI Model

<input type="checkbox"/>	1	Layer 6
<input type="checkbox"/>	2	Layer 3
<input type="checkbox"/>	3	Layer 7
<input checked="" type="checkbox"/>	4	Layer 2

4 M	4.000	281473913981697	13:53:49	13:55:06	01:17	76.617
-----	-------	-----------------	----------	----------	-------	--------

When making router configuration export to file which of the statements are true:

<input checked="" type="checkbox"/>	1	Winbox usernames and passwords are backed up
<input checked="" type="checkbox"/>	2	The export file can be edited with a standard text editor after its creation
<input checked="" type="checkbox"/>	3	Export file name should be provided
<input checked="" type="checkbox"/>	4	Only full router configuration can be exported

5 S	4.000	281473913981697	13:55:06	13:56:32	01:26	85.82
-----	-------	-----------------	----------	----------	-------	-------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

<input checked="" type="checkbox"/>	1	only on bridge interface
<input type="checkbox"/>	2	ethernet and wireless interfaces
<input type="checkbox"/>	3	DHCP service is not possible in this setup
<input type="checkbox"/>	4	every bridge port

6 S	0.000	281473913981697	13:56:32	14:25:09	28:37	171.856
-----	-------	-----------------	----------	----------	-------	---------

When adding a static route, you must always ensure that you add both the gateway and the interface.

<input type="checkbox"/>	1	False
<input checked="" type="checkbox"/>	2	True

7 S	4.000	281473913981697	13:59:15	14:00:40	01:25	84.554
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(10.1.1.0/24)**R1**(172.16.0.1) --- (172.16.0.2)**R2**(172.30.10.1) --- (172.30.10.2)**R3**(192.168.10.0/24)



School name

first row

second row

third row



Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

8 S	4.000	281473913981697	14:00:40	14:22:14	21:34	98.943
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	802.11g				
	2	VLAN ID				
	3	IP Address				
+	4	MAC Address				

9 S	4.000	281473913981697	14:01:46	14:02:52	01:06	65.893
Which configuration menu should you use to change router's Winbox default port?						
	1	/ip firewall filter				
	2	/system resource				
+	3	/ip services				
	4	/ip firewall service-ports				

10 S	4.000	281473913981697	14:02:52	14:03:35	00:43	42.988
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				

11 S	4.000	281473913981697	14:03:35	14:03:52	00:17	17.075
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

12 S	0.000	281473913981697	14:03:52	14:35:05	31:13	72.502
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	1	BGP				
	2	Routing				
-	3	Advanced-Tools				
	4	Hotspot				
	5	System				

13 M	4.000	281473913981697	14:05:19	14:35:53	30:34	46.521
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
+	1	dhcp				
+	2	routing				
+	3	wireless				
+	4	advanced-tools				
+	5	system				

14 S	4.000	281473913981697	14:07:48	14:08:59	01:11	71.292
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	2	Write a script in 'system script' to set the clock.				
	3	Configure '/system ntp server' and set a valid and reachable NTP client address.				
	4	Open the router and ensure the CMOS battery is fine.				

15 S	0.000	281473913981697	14:08:59	14:10:49	01:50	109.706
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
-	2	Nothing – it will work as before				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				

16 S	4.000	281473913981697	14:10:49	14:11:07	00:18	17.788
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				



School name

first row

second row

third row



	2	Unlimited
	3	2
	4	1024

17 S	4.000	281473913981697	14:11:07	14:12:18	01:11	70.444
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	4				
	4	3				

18 M	0.000	281473913981697	14:12:18	14:12:57	00:39	39.022
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
-	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				

19 M	4.000	281473913981697	14:12:57	14:13:21	00:24	23.787
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	direct - active - bgp				
+	3	direct - acknowledge - backup				
+	4	dynamic - active - bgp				

20 S	4.000	281473913981697	14:13:21	14:14:00	00:39	38.868
What you cannot do with NETINSTALL?						
	1	Reinstalling RouterOS				
	2	Reset the whole configuration of RouterOS				
+	3	Reset RouterOS password while maintaining the previous configuration				

21 S	4.000	281473913981697	14:14:00	14:14:47	00:47	47.038
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			

22 S	4.000	281473913981697	14:14:47	14:15:24	00:37	36.609
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	No active route				
+	2	Active route via gateway 10.10.10.20				
	3	Active route via gateway 10.10.10.10				
	4	Active route via both gateway				

23 S	4.000	281473913981697	14:15:24	14:17:15	01:51	110.98
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
	2	On 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				

24 S	4.000	281473913981697	14:17:15	14:18:01	00:46	46.042
What kind of users are listed in the "/user" menu?						
	1	hotspot users				
+	2	router users				
	3	pptp users				
	4	wireless users				

25 S	4.000	281473913981697	14:18:01	14:18:42	00:41	40.659
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472051 name: RENDY HERMANTO user: 1472051 start time: 2018-10-01 13:51:07 end time: 2018-10-01 14:32:20 time: 00:41:13 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 88.000 / 100.000 (88%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981726	13:51:07	13:51:12	00:05	5.206
-----	-------	-----------------	----------	----------	-------	-------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

	1	Unlimited
	2	2
	3	1024
+	4	1

2 S	4.000	281473913981726	13:51:35	13:52:13	00:38	37.956
-----	-------	-----------------	----------	----------	-------	--------

Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.

A PC with IP 192.168.1.2 can access internet.

When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.

What else should be done to keep Internet connection work for this PC?

+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC
	2	MAC-Address of the new card has to be changed to gateway's MAC
	3	Nothing – it will work as before
	4	Another IP has to be added on the PC for Internet access

3 S	4.000	281473913981726	13:52:14	13:56:22	04:08	4.525
-----	-------	-----------------	----------	----------	-------	-------

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

+	1	2
	2	1
	3	4
	4	3

4 S	4.000	281473913981726	13:56:23	13:57:40	01:17	77.709
-----	-------	-----------------	----------	----------	-------	--------

Which is the default port for IP-WINBOX?

	1	TCP/8192
	2	UDP/8291
	3	TCP/80
+	4	TCP/8291

5 S	0.000	281473913981726	13:57:41	14:00:00	02:19	139.185
-----	-------	-----------------	----------	----------	-------	---------

Which route will be used to reach host 192.168.1.55?

/ip route
 add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

-	1	Route via gateway 1.1.1.1
	2	Route via gateway 2.2.2.2
	3	Route via gateway 3.3.3.3

6 M	4.000	281473913981726	14:00:01	14:03:29	03:28	9.544
-----	-------	-----------------	----------	----------	-------	-------

Mark correct statements.

+	1	Backup files are editable
+	2	Backup files are not editable
+	3	Export files are not editable

7 S	0.000	281473913981726	14:03:30	14:03:59	00:29	29.239
-----	-------	-----------------	----------	----------	-------	--------

DHCP server can serve clients without using IP address pool.

	1	True
-	2	False

8 S	4.000	281473913981726	14:04:00	14:04:24	00:24	23.641
-----	-------	-----------------	----------	----------	-------	--------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

	1	every bridge port
--	---	-------------------



School name

first row
second row
third row



	2	DHCP service is not possible in this setup				
	3	ethernet and wireless interfaces				
+	4	only on bridge interface				
9 S	4.000	281473913981726	14:04:24	14:29:51	25:27	2.176
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
10 M	4.000	281473913981726	14:07:02	14:12:15	05:13	313.221
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
+	1	192.169.0.1-192.169.0.254				
+	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.255				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
11 S	4.000	281473913981726	14:12:16	14:14:12	01:56	115.555
		Consider this topology: (192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should submitted on RA?				
	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
12 M	4.000	281473913981726	14:14:12	14:14:34	00:22	21.847
		In the Route List, the identification DAB for a route stands for				
+	1	dynamic - active - bgp				
+	2	direct - acknowledge - backup				
+	3	direct - active - bgp				
+	4	dynamic - active - backup				
13 S	4.000	281473913981726	14:14:35	14:16:13	01:38	98.424
		Which configuration menu should you use to change router's Winbox default port?				
	1	/ip firewall service-ports				
+	2	/ip services				
	3	/ip firewall filter				
	4	/system resource				
14 S	4.000	281473913981726	14:16:14	14:16:30	00:16	16.12
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	1	False				
+	2	True				
15 S	4.000	281473913981726	14:16:31	14:18:26	01:55	115.164
		In order to import a configuration, you do not need to reboot the router				
	1	False				
+	2	True				
16 S	4.000	281473913981726	14:18:27	14:19:13	00:46	45.826
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
+	1	True				
	2	False				
17 S	4.000	281473913981726	14:19:15	14:20:44	01:29	9.881
		MAC Address defined in ... of OSI Model				
+	1	Layer 2				
	2	Layer 3				
	3	Layer 7				
	4	Layer 6				
18 S	4.000	281473913981726	14:20:45	14:23:43	02:58	177.937
		Define a routing loop (choose the most precise description)				

**School name**

first row

second row

third row



	1	Situation where the packet does not reach it's destination
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires
	3	Situation where the packet is routed through the same router twice
	4	Situation where the TTL of the packet expires

19 S	4.000	281473913981726	14:23:44	14:24:10	00:26	25.735
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	+	1	False			
		2	True			

20 S	0.000	281473913981726	14:24:10	14:25:50	01:40	100.225
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	-	1	Routing			
		2	System			
		3	BGP			
		4	Hotspot			
		5	Advanced-Tools			

21 S	4.000	281473913981726	14:25:51	14:30:20	04:29	1.884
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
		1	IP Address			
	+	2	MAC Address			
		3	802.11g			
		4	VLAN ID			

22 S	4.000	281473913981726	14:27:38	14:29:07	01:29	89.819
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
	+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			

23 S	4.000	281473913981726	14:29:08	14:31:03	01:55	41.32
Which packages are mandatory required to create a Wireless Access Point?						
		1	DHCP			
		2	Routing			
		3	Advanced-tools			
	+	4	Wireless			

24 S	4.000	281473913981726	14:31:04	14:31:46	00:42	42.172
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			

25 M	4.000	281473913981726	14:31:47	14:32:20	00:33	33.476
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Connected			
	+	2	Dynamic,Active,Console			
	+	3	Direct,Available,Connected			
	+	4	Dynamic,Available,Created			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472079 name: JUNIATER SIMBOLON user: 1472079 start time: 2018-10-01 13:51:33 end time: 2018-10-01 14:27:10 time: 00:35:37 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 88.000 / 100.000 (88%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981715	13:51:33	13:52:06	00:33	33.595
		What you cannot do with NETINSTALL?				
	+	1	Reset RouterOS password while maintaining the previous configuration			
		2	Reset the whole configuration of RouterOS			
		3	Reinstalling RouterOS			
2 M	0.000	281473913981715	13:52:07	14:22:57	30:50	132.481
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
	+	1	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	2	192.168.0.1-192.168.0.14			
	+	3	192.169.0.1-192.169.0.254			
	+	4	192.168.0.1-192.168.0.255			
3 S	4.000	281473913981715	13:52:38	13:53:57	01:19	78.53
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
		3	Another IP has to be added on the PC for Internet access			
		4	Nothing – it will work as before			
4 S	4.000	281473913981715	13:54:00	13:54:35	00:35	34.456
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall filter			
		2	/system resource			
	+	3	/ip services			
		4	/ip firewall service-ports			
5 S	4.000	281473913981715	13:54:36	13:55:20	00:44	43.602
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	+	1	On 'br-lan'			
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
		4	On 'wlan1'			
6 S	4.000	281473913981715	13:55:21	14:23:29	28:08	28.452
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
		1	True			
	+	2	False			
7 S	4.000	281473913981715	13:57:32	13:57:59	00:27	27.514
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	IP Address			
		2	802.11g			
		3	VLAN ID			
	+	4	MAC Address			
8 S	4.000	281473913981715	13:58:01	13:58:25	00:24	24.529
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
	+	1	False			
		2	True			



School name

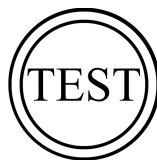
first row

second row

third row



9 S	4.000	281473913981715	13:58:28	13:59:11	00:43	43.14
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				
10 S	4.000	281473913981715	13:59:12	13:59:38	00:26	25.521
DHCP server can serve clients without using IP address pool.						
+	1	True				
	2	False				
11 S	0.000	281473913981715	13:59:39	14:17:06	17:27	16.729
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
-	1	False				
	2	True				
12 M	4.000	281473913981715	14:00:22	14:24:33	24:11	54.815
In the Route List, the identification DAb for a route stands for						
+	1	direct - active - bgp				
+	2	dynamic - active - backup				
+	3	direct - acknowledge - backup				
+	4	dynamic - active - bgp				
13 M	4.000	281473913981715	14:00:56	14:24:57	24:01	23.776
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Connected				
+	2	Dynamic,Available,Created				
+	3	Direct,Available,Connected				
+	4	Dynamic,Active,Console				
14 S	4.000	281473913981715	14:01:27	14:25:44	24:17	45.799
Which is the default port for IP-WINBOX?						
	1	UDP/8291				
+	2	TCP/8291				
	3	TCP/8192				
	4	TCP/80				
15 S	4.000	281473913981715	14:02:11	14:02:29	00:18	17.578
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	24 hours				
+	3	infinite time				
	4	3 years				
16 S	4.000	281473913981715	14:02:30	14:03:01	00:31	30.881
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
	1	DHCP				
+	2	No extra package required				
	3	Routing				
	4	Advanced-tools				
17 S	4.000	281473913981715	14:03:03	14:03:27	00:24	24.192
MAC Address defined in ... of OSI Model						
	1	Layer 3				
	2	Layer 7				
	3	Layer 6				
+	4	Layer 2				
18 S	4.000	281473913981715	14:03:28	14:04:27	00:59	59.079
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	No active route				
	2	Active route via both gateway				
	3	Active route via gateway 10.10.10.10				
+	4	Active route via gateway 10.10.10.20				
19 S	4.000	281473913981715	14:04:29	14:26:16	21:47	27.012
Which of the protocols below is used by Netinstall?						

**School name**

first row

second row

third row



+	1	BOOTP
	2	ARP
	3	DHCP
	4	RARP

20 S	4.000	281473913981715	14:05:39	14:06:53	01:14	73.635
Define a routing loop (choose the most precise description)						
+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	2	Situation where the packet is routed through the same router twice				
	3	Situation where the TTL of the packet expires				
	4	Situation where the packet does not reach it's destination				

21 S	4.000	281473913981715	14:06:54	14:07:16	00:22	21.475
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	Unlimited				
+	3	1				
	4	1024				

22 S	4.000	281473913981715	14:07:18	14:08:07	00:49	49.016
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
+	2	only on bridge interface				
	3	DHCP service is not possible in this setup				
	4	ethernet and wireless interfaces				

23 M	0.000	281473913981715	14:08:08	14:26:37	18:29	18.002
When making router configuration export to file which of the statements are true:						
-	1	Export file name should be provided				
+	2	Only full router configuration can be exported				
-	3	Winbox usernames and passwords are backed up				
-	4	The export file can be edited with a standard text editor after its creation				

24 S	4.000	281473913981715	14:08:48	14:27:10	18:22	31.856
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 3.3.3.3				

25 S	4.000	281473913981715	14:09:51	14:10:35	00:44	43.38
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572042 name: Syafirafitri Anwar user: 1572042 start time: 2018-10-01 13:50:58 end time: 2018-10-01 14:25:46 time: 00:34:48 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 88.000 / 100.000 (88%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 M	4.000	281473913981710	13:50:58	13:56:33	05:35	334.804
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic,Active,Connected
+	2	Direct,Available,Connected
+	3	Dynamic,Available,Created
+	4	Dynamic,Active,Console

2 S	4.000	281473913981710	13:56:37	14:00:26	03:49	228.482
-----	-------	-----------------	----------	----------	-------	---------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	On 'wlan1'
	3	On both 'br-lan' and 'wlan1'
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'

3 S	4.000	281473913981710	14:00:29	14:01:50	01:21	81.344
-----	-------	-----------------	----------	----------	-------	--------

Which route will be used to reach host 192.168.1.55?

/ip route
 add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 3.3.3.3
+	2	Route via gateway 2.2.2.2
	3	Route via gateway 1.1.1.1

4 S	0.000	281473913981710	14:01:52	14:04:33	02:41	157.188
-----	-------	-----------------	----------	----------	-------	---------

Which default route will be active?

/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10
 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20

	1	Active route via both gateway
	2	Active route via gateway 10.10.10.20
-	3	Active route via gateway 10.10.10.10
	4	No active route

5 S	0.000	281473913981710	14:04:34	14:06:16	01:42	102.107
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(10.1.1.0/24)**R1**(172.16.0.1) --- (172.16.0.2)**R2**(172.30.10.1) --- (172.30.10.2)**R3**(192.168.10.0/24)

Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

-	1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1

6 S	4.000	281473913981710	14:06:17	14:08:03	01:46	106.051
-----	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

+	1	True
	2	False

7 S	4.000	281473913981710	14:08:05	14:09:28	01:23	83.758
-----	-------	-----------------	----------	----------	-------	--------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	IP Address
--	---	------------



School name

first row

second row

third row



+	2	MAC Address
	3	VLAN ID
	4	802.11g

8 S	4.000	281473913981710	14:09:30	14:10:19	00:49	49.505
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	4				
	2	1				
	3	3				
+	4	2				

9 S	4.000	281473913981710	14:10:20	14:11:09	00:49	48.848
How long does Level 1 (FREE) license can be used?						
	1	1 month				
+	2	infinite time				
	3	24 hours				
	4	3 years				

10 S	4.000	281473913981710	14:11:11	14:11:58	00:47	47.16
Which of the protocols below is used by Netinstall?						
	+	1	BOOTP			
		2	DHCP			
		3	ARP			
		4	RARP			

11 S	4.000	281473913981710	14:11:59	14:12:29	00:30	30.024
MAC Address defined in ... of OSI Model						
	1	Layer 7				
	2	Layer 3				
+	3	Layer 2				
	4	Layer 6				

12 S	4.000	281473913981710	14:12:30	14:13:03	00:33	32.531
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
+	1	False				
	2	True				

13 S	4.000	281473913981710	14:13:04	14:13:50	00:46	45.531
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
	1	False				
+	2	True				

14 S	4.000	281473913981710	14:13:52	14:14:35	00:43	43.067
It's impossible to remove user "admin" from "/user"						
	1	True				
+	2	False				

15 S	4.000	281473913981710	14:14:38	14:15:14	00:36	35.813
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				
	2	Unlimited				
	3	1024				
	4	2				

16 S	4.000	281473913981710	14:15:17	14:17:04	01:47	106.661
Consider this topology:						
(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should submitted on RA?						
+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				

17 S	4.000	281473913981710	14:17:05	14:17:32	00:27	27.066
What kind of users are listed in the "/user" menu?						
+	1	router users				
	2	wireless users				
	3	hotspot users				
	4	pptp users				



School name

first row

second row

third row



18 S	4.000	281473913981710	14:17:33	14:18:22	00:49	48.893
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			
19 S	4.000	281473913981710	14:18:24	14:19:02	00:38	38.205
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
		1	Routing			
		2	Advanced-tools			
	+	3	No extra package required			
		4	DHCP			
20 S	4.000	281473913981710	14:19:04	14:20:08	01:04	64.424
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			
21 S	4.000	281473913981710	14:20:09	14:20:54	00:45	45.238
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface			
		2	every bridge port			
		3	DHCP service is not possible in this setup			
		4	ethernet and wireless interfaces			
22 S	4.000	281473913981710	14:20:56	14:22:56	02:00	119.76
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
		1	False			
	+	2	True			
23 M	0.000	281473913981710	14:22:58	14:24:18	01:20	80.163
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	-	1	192.168.0.1-192.168.0.14			
	-	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	4	192.168.0.1-192.168.0.255			
24 S	4.000	281473913981710	14:24:20	14:25:06	00:46	46.511
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			
25 S	4.000	281473913981710	14:25:08	14:25:46	00:38	38.756
Which packages are mandatory required to create a Wireless Access Point?						
		1	DHCP			
	+	2	Wireless			
		3	Advanced-tools			
		4	Routing			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672035
 name: NURUL AFIANY
 user: 1672035
 start time: 2018-10-01 13:51:20
 end time: 2018-10-01 14:47:53
 time: 00:56:33
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 88.000 / 100.000 (88%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]															
1 S	4.000	281473913981713	13:51:20	13:54:39	03:19	14.993															
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.																					
<table><tr><td>+</td><td>1</td><td>True</td></tr><tr><td></td><td>2</td><td>False</td></tr></table>							+	1	True		2	False									
+	1	True																			
	2	False																			
2 M	4.000	281473913981713	13:52:27	13:53:52	01:25	84.548															
Mark correct statements.																					
<table><tr><td>+</td><td>1</td><td>Backup files are editable</td></tr><tr><td>+</td><td>2</td><td>Export files are not editable</td></tr><tr><td>+</td><td>3</td><td>Backup files are not editable</td></tr></table>							+	1	Backup files are editable	+	2	Export files are not editable	+	3	Backup files are not editable						
+	1	Backup files are editable																			
+	2	Export files are not editable																			
+	3	Backup files are not editable																			
3 S	4.000	281473913981713	13:53:52	14:01:01	07:09	32.224															
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?																					
<table><tr><td></td><td>1</td><td>Routing</td></tr><tr><td></td><td>2</td><td>Advanced-Tools</td></tr><tr><td></td><td>3</td><td>Hotspot</td></tr><tr><td>+</td><td>4</td><td>System</td></tr><tr><td></td><td>5</td><td>BGP</td></tr></table>								1	Routing		2	Advanced-Tools		3	Hotspot	+	4	System		5	BGP
	1	Routing																			
	2	Advanced-Tools																			
	3	Hotspot																			
+	4	System																			
	5	BGP																			
4 S	4.000	281473913981713	13:57:40	14:46:29	48:49	99.192															
Define a routing loop (choose the most precise description)																					
<table><tr><td></td><td>1</td><td>Situation where the TTL of the packet expires</td></tr><tr><td></td><td>2</td><td>Situation where the packet does not reach it's destination</td></tr><tr><td>+</td><td>3</td><td>Situation where the packet is routed through the same sequence of routers until the TTL expires</td></tr><tr><td></td><td>4</td><td>Situation where the packet is routed through the same router twice</td></tr></table>								1	Situation where the TTL of the packet expires		2	Situation where the packet does not reach it's destination	+	3	Situation where the packet is routed through the same sequence of routers until the TTL expires		4	Situation where the packet is routed through the same router twice			
	1	Situation where the TTL of the packet expires																			
	2	Situation where the packet does not reach it's destination																			
+	3	Situation where the packet is routed through the same sequence of routers until the TTL expires																			
	4	Situation where the packet is routed through the same router twice																			
5 S	4.000	281473913981713	14:02:11	14:06:06	03:55	235.145															
Which route will be used to reach host 192.168.1.55?																					
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3																					
<table><tr><td>+</td><td>1</td><td>Route via gateway 2.2.2.2</td></tr><tr><td></td><td>2</td><td>Route via gateway 3.3.3.3</td></tr><tr><td></td><td>3</td><td>Route via gateway 1.1.1.1</td></tr></table>							+	1	Route via gateway 2.2.2.2		2	Route via gateway 3.3.3.3		3	Route via gateway 1.1.1.1						
+	1	Route via gateway 2.2.2.2																			
	2	Route via gateway 3.3.3.3																			
	3	Route via gateway 1.1.1.1																			
6 S	4.000	281473913981713	14:06:06	14:06:26	00:20	20.08															
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?																					
<table><tr><td></td><td>1</td><td>Nothing – it will work as before</td></tr><tr><td></td><td>2</td><td>Another IP has to be added on the PC for Internet access</td></tr><tr><td>+</td><td>3</td><td>Old static ARP entry on MikroTik Router has to be updated for the new card's MAC</td></tr><tr><td></td><td>4</td><td>MAC-Address of the new card has to be changed to gateway's MAC</td></tr></table>								1	Nothing – it will work as before		2	Another IP has to be added on the PC for Internet access	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC		4	MAC-Address of the new card has to be changed to gateway's MAC			
	1	Nothing – it will work as before																			
	2	Another IP has to be added on the PC for Internet access																			
+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC																			
	4	MAC-Address of the new card has to be changed to gateway's MAC																			
7 S	4.000	281473913981713	14:06:26	14:09:48	03:22	159.737															
What kind of users are listed in the "/user" menu?																					
<table><tr><td></td><td>1</td><td>hotspot users</td></tr><tr><td></td><td>2</td><td>wireless users</td></tr><tr><td></td><td>3</td><td>pptp users</td></tr><tr><td>+</td><td>4</td><td>router users</td></tr></table>								1	hotspot users		2	wireless users		3	pptp users	+	4	router users			
	1	hotspot users																			
	2	wireless users																			
	3	pptp users																			
+	4	router users																			



School name

first row

second row

third row



8 S	4.000	281473913981713	14:09:48	14:12:02	02:14	133.53
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	1	True				
+	2	False				
9 S	4.000	281473913981713	14:12:02	14:12:43	00:41	41.419
Which configuration menu should you use to change router's Winbox default port?						
	1	/system resource				
	2	/ip firewall filter				
+	3	/ip services				
	4	/ip firewall service-ports				
10 S	4.000	281473913981713	14:12:43	14:13:57	01:14	73.723
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 6				
	3	Layer 7				
	4	Layer 3				
11 M	4.000	281473913981713	14:13:57	14:18:45	04:48	287.878
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Connected				
+	2	Dynamic,Active,Console				
+	3	Direct,Available,Connected				
+	4	Dynamic,Available,Created				
12 S	4.000	281473913981713	14:18:45	14:22:10	03:25	205.003
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	1024				
	3	Unlimited				
+	4	1				
13 S	4.000	281473913981713	14:22:12	14:22:48	00:36	36.539
When adding a static route, you must always ensure that you add both the gateway and the interface.						
+	1	False				
	2	True				
14 M	0.000	281473913981713	14:22:48	14:23:43	00:55	54.34
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.169.0.1-192.169.0.254				
+	2	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	3	192.168.0.1-192.168.0.255				
-	4	192.168.0.1-192.168.0.14				
15 M	4.000	281473913981713	14:23:43	14:24:31	00:48	47.674
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
+	1	wireless				
+	2	dhcp				
+	3	system				
+	4	advanced-tools				
+	5	routing				
16 S	4.000	281473913981713	14:24:31	14:24:53	00:22	22.722
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	3				
	4	4				
17 S	0.000	281473913981713	14:24:53	14:29:11	04:18	257.603
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
-	1	IP Address				
	2	MAC Address				
	3	VLAN ID				
	4	802.11g				
18 S	4.000	281473913981713	14:29:11	14:30:45	01:34	93.996
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						



School name

first row

second row

third row



Static routing on RB has been properly configured.
Which configuration should be submitted on RA?

	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2

19 S	4.000	281473913981713	14:30:45	14:31:17	00:32	31.688
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
	1	DHCP				
	2	Advanced-tools				
	3	Routing				
+	4	No extra package required				

20 S	4.000	281473913981713	14:31:17	14:32:00	00:43	42.479
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				

21 M	0.000	281473913981713	14:32:00	14:47:53	15:53	68.825
When making router configuration export to file which of the statements are true:						
-	1	Winbox usernames and passwords are backed up				
+	2	Only full router configuration can be exported				
+	3	The export file can be edited with a standard text editor after its creation				
-	4	Export file name should be provided				

22 S	4.000	281473913981713	14:34:37	14:39:37	05:00	100.574
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
+	1	On 'br-lan'				
	2	On both 'br-lan' and 'wlan1'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

23 S	4.000	281473913981713	14:36:30	14:37:12	00:42	41.992
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				

24 S	4.000	281473913981713	14:37:12	14:37:27	00:15	14.649
DHCP server can serve clients without using IP address pool.						
+	1	True				
	2	False				

25 S	4.000	281473913981713	14:37:27	14:37:54	00:27	27.686
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	ethernet and wireless interfaces				
	3	every bridge port				
	4	DHCP service is not possible in this setup				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572017 name: PRICILLIA CLAUDIA ALFO user: 1572017 start time: 2018-10-01 13:50:58 end time: 2018-10-01 14:31:35 time: 00:40:37 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	4.000	281473913981709	13:50:58	13:52:59	02:01	120.02
		In the Route List, the identification DAb for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - acknowledge - backup			
	+	4	direct - active - bgp			
2 S	4.000	281473913981709	13:52:59	14:30:40	37:41	20.789
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	IP Address			
		2	VLAN ID			
	+	3	MAC Address			
		4	802.11g			
3 S	4.000	281473913981709	13:54:14	13:55:35	01:21	80.238
		How long does Level 1 (FREE) license can be used?				
		1	1 month			
	+	2	infinite time			
		3	24 hours			
		4	3 years			
4 S	4.000	281473913981709	13:55:35	13:56:13	00:38	38.014
		MAC Address defined in ... of OSI Model				
		1	Layer 7			
	+	2	Layer 2			
		3	Layer 6			
		4	Layer 3			
5 M	4.000	281473913981709	13:56:13	14:30:17	34:04	58.171
		Select minimal set of software packages in RouterOS required to configuring a wireless AP				
	+	1	wireless			
	+	2	advanced-tools			
	+	3	system			
	+	4	dhcp			
	+	5	routing			
6 S	4.000	281473913981709	13:59:29	14:30:52	31:23	3.901
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'			
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
	+	4	On 'br-lan'			
7 S	4.000	281473913981709	14:00:46	14:01:27	00:41	41.683
		If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.				
	+	1	False			
		2	True			
8 S	4.000	281473913981709	14:01:27	14:02:39	01:12	71.47
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
		1	True			
	+	2	False			
9 S	4.000	281473913981709	14:02:39	14:03:08	00:29	28.823
		A router has wireless and ethernet client interfaces, all client interfaces are bridged.				



School name

first row

second row

third row



To create a DHCP service for all clients you must configure DHCP server on ...

	1	every bridge port
	2	DHCP service is not possible in this setup
+	3	only on bridge interface
	4	ethernet and wireless interfaces

10 M	4.000	281473913981709	14:03:08	14:31:29	28:21	32.92
------	-------	-----------------	----------	----------	-------	-------

When making router configuration export to file which of the statements are true:

+	1	Export file name should be provided
+	2	Winbox usernames and passwords are backed up
+	3	Only full router configuration can be exported
+	4	The export file can be edited with a standard text editor after its creation

11 S	4.000	281473913981709	14:05:55	14:06:50	00:55	55.048
------	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should be submitted on RA?

	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
+	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2

12 S	0.000	281473913981709	14:06:50	14:31:35	24:45	4.558
------	-------	-----------------	----------	----------	-------	-------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
-	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1

13 S	4.000	281473913981709	14:07:35	14:08:16	00:41	40.41
------	-------	-----------------	----------	----------	-------	-------

RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.

	1	False
+	2	True

14 S	4.000	281473913981709	14:08:16	14:11:11	02:55	175.616
------	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

	1	False
+	2	True

15 S	4.000	281473913981709	14:11:11	14:11:57	00:46	45.155
------	-------	-----------------	----------	----------	-------	--------

Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.

A PC with IP 192.168.1.2 can access internet.

When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.

What else should be done to keep Internet connection work for this PC?

	1	Nothing – it will work as before
	2	Another IP has to be added on the PC for Internet access
	3	MAC-Address of the new card has to be changed to gateway's MAC
+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC

16 S	4.000	281473913981709	14:11:57	14:12:29	00:32	32.306
------	-------	-----------------	----------	----------	-------	--------

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

	1	4
+	2	2
	3	1
	4	3

17 S	4.000	281473913981709	14:12:29	14:28:37	16:08	122.539
------	-------	-----------------	----------	----------	-------	---------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

+	1	1
---	---	---



School name

first row
second row
third row



	2	2
	3	1024
	4	Unlimited

18 S	4.000	281473913981709	14:13:55	14:16:49	02:54	174.203
Which is the default port for IP-WINBOX?						
	+	1	TCP/8291			
		2	TCP/80			
		3	TCP/8192			
		4	UDP/8291			

19 S	4.000	281473913981709	14:16:49	14:17:41	00:52	52.227
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	+	1	True			
		2	False			

20 S	4.000	281473913981709	14:17:41	14:26:32	08:51	124.759
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
		1	Configure '/system ntp server' and set a valid and reachable NTP client address.			
	+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		3	Write a script in 'system script' to set the clock.			
		4	Open the router and ensure the CMOS battery is fine.			

21 S	4.000	281473913981709	14:19:13	14:19:37	00:24	23.57
What you cannot do with NETINSTALL?						
		1	Reinstalling RouterOS			
		2	Reset the whole configuration of RouterOS			
	+	3	Reset RouterOS password while maintaining the previous configuration			

22 S	4.000	281473913981709	14:19:37	14:21:00	01:23	82.378
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration. In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
		1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
		2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1			
		3	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1			
	+	4	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2			

23 S	4.000	281473913981709	14:21:00	14:21:52	00:52	52.318
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	+	1	False			
		2	True			

24 M	4.000	281473913981709	14:21:52	14:23:13	01:21	81.181
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Console			
	+	2	Dynamic,Active,Connected			
	+	3	Direct,Available,Connected			
	+	4	Dynamic,Available,Created			

25 M	4.000	281473913981709	14:23:13	14:24:17	01:04	63.144
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.14			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572030 name: ANDIKA MULYAWAN DWI PR user: 1572030 start time: 2018-10-01 13:51:32 end time: 2018-10-01 14:11:10 time: 00:19:38 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981711	13:51:32	13:51:57	00:25	25.112
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	1	Routing				
	2	Advanced-tools				
+	3	No extra package required				
	4	DHCP				
2 M	4.000	281473913981711	13:51:57	13:52:26	00:29	29.165
		Mark correct statements.				
+	1	Backup files are editable				
+	2	Export files are not editable				
+	3	Backup files are not editable				
3 S	4.000	281473913981711	13:52:26	13:52:49	00:23	22.944
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
	1	ethernet and wireless interfaces				
	2	every bridge port				
+	3	only on bridge interface				
	4	DHCP service is not possible in this setup				
4 S	4.000	281473913981711	13:52:49	13:53:12	00:23	22.928
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
	1	True				
+	2	False				
5 S	4.000	281473913981711	13:53:12	14:11:10	17:58	23.553
		Which packages are mandatory required to create a Wireless Access Point?				
	1	DHCP				
	2	Advanced-tools				
	3	Routing				
+	4	Wireless				
6 S	4.000	281473913981711	13:53:21	14:10:47	17:26	22.066
		It's impossible to remove user "admin" from "/user"				
+	1	False				
	2	True				
7 S	4.000	281473913981711	13:53:32	13:53:54	00:22	22.295
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
+	1	1				
	2	Unlimited				
	3	1024				
	4	2				
8 S	0.000	281473913981711	13:53:54	13:54:04	00:10	9.791
		DHCP server can serve clients without using IP address pool.				
	1	True				
-	2	False				
9 S	4.000	281473913981711	13:54:04	13:54:36	00:32	31.866
		Consider this topology:				
		(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)				
		Static routing on RB has been properly configured.				



School name

first row

second row

third row



Which configuration should submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
10 S	4.000	281473913981711	13:54:36	13:54:52	00:16	15.154
In order to import a configuration, you do not need to reboot the router						
+	1	True				
	2	False				
11 S	4.000	281473913981711	13:54:52	13:55:35	00:43	43.66
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
+	1	True				
	2	False				
12 S	4.000	281473913981711	13:55:35	13:55:55	00:20	4.495
What kind of users are listed in the "/user" menu?						
	1	wireless users				
+	2	router users				
	3	pptp users				
	4	hotspot users				
13 S	4.000	281473913981711	13:55:49	14:07:20	11:31	33.746
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
+	1	True				
	2	False				
14 S	4.000	281473913981711	13:56:13	14:06:46	10:33	22.063
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
15 S	4.000	281473913981711	13:56:29	14:06:24	09:55	24.246
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 6				
	4	Layer 3				
16 M	4.000	281473913981711	13:56:36	14:06:00	09:24	23.113
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Console				
+	2	Direct,Available,Connected				
+	3	Dynamic,Active,Connected				
+	4	Dynamic,Available,Created				
17 S	4.000	281473913981711	13:57:16	13:57:39	00:23	15.002
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
+	1	Active route via gateway 10.10.10.20				
	2	Active route via gateway 10.10.10.10				
	3	Active route via both gateway				
	4	No active route				
18 S	4.000	281473913981711	13:57:39	14:05:15	07:36	25.007
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
19 S	4.000	281473913981711	13:58:05	13:58:14	00:09	9.522
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
+	1	MAC Address				
	2	IP Address				

**School name**first row
second row
third row

	3	VLAN ID
	4	802.11g

20 M	4.000	281473913981711	13:58:15	14:04:28	06:13	27.324
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	+	1	routing			
	+	2	system			
	+	3	advanced-tools			
	+	4	dhcp			
	+	5	wireless			

21 S	4.000	281473913981711	13:58:24	14:04:01	05:37	27.239
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			

22 M	4.000	281473913981711	13:58:55	14:03:34	04:39	51.31
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.169.0.1-192.169.0.254			
	+	2	192.168.0.1-192.168.0.14			
	+	3	192.168.0.1-192.168.0.255			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			

23 S	4.000	281473913981711	13:59:43	14:00:39	00:56	56
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
	+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			

24 S	4.000	281473913981711	14:00:39	14:02:05	01:26	47.33
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
		1	True			
	+	2	False			

25 M	4.000	281473913981711	14:00:47	14:01:17	00:30	30.243
In the Route List, the identification DAb for a route stands for						
	+	1	dynamic - active - backup			
	+	2	direct - active - bgp			
	+	3	direct - acknowledge - backup			
	+	4	dynamic - active - bgp			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-10-01 13:51:12 end time: 2018-10-01 14:40:44 time: 00:49:32 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981705	13:51:12	13:56:43	05:31	330.835
-----	-------	-----------------	----------	----------	-------	---------

For static routing fuctionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

	1	Advanced-tools
	2	Routing
	3	DHCP
+	4	No extra package required

2 S	4.000	281473913981705	13:56:43	13:57:41	00:58	57.892
-----	-------	-----------------	----------	----------	-------	--------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

+	1	only on bridge interface
	2	DHCP service is not possible in this setup
	3	every bridge port
	4	ethernet and wireless interfaces

3 M	4.000	281473913981705	13:58:28	13:59:09	00:41	40.681
-----	-------	-----------------	----------	----------	-------	--------

Mark correct statements.

+	1	Backup files are editable
+	2	Backup files are not editable
+	3	Export files are not editable

4 S	4.000	281473913981705	13:59:09	14:00:16	01:07	66.674
-----	-------	-----------------	----------	----------	-------	--------

You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.

	1	True
+	2	False

5 S	4.000	281473913981705	14:00:16	14:02:46	02:30	150.376
-----	-------	-----------------	----------	----------	-------	---------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91

6 S	4.000	281473913981705	14:02:46	14:12:05	09:19	1.677
-----	-------	-----------------	----------	----------	-------	-------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

	1	Unlimited
	2	2
+	3	1
	4	1024

7 S	4.000	281473913981705	14:10:39	14:12:50	02:11	45.094
-----	-------	-----------------	----------	----------	-------	--------

In order to import a configuration, you **do not** need to reboot the router

	1	False
+	2	True

8 S	4.000	281473913981705	14:12:50	14:13:20	00:30	29.418
-----	-------	-----------------	----------	----------	-------	--------



School name

first row

second row

third row



When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	VLAN ID				
+	2	MAC Address				
	3	802.11g				
	4	IP Address				
9 S	4.000	281473913981705	14:13:20	14:14:27	01:07	66.769
Which is the default port for IP-WINBOX?						
	1	UDP/8291				
	2	TCP/8192				
+	3	TCP/8291				
	4	TCP/80				
10 S	4.000	281473913981705	14:14:27	14:15:20	00:53	53.32
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Nothing – it will work as before				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Another IP has to be added on the PC for Internet access				
11 S	4.000	281473913981705	14:15:20	14:16:19	00:59	41.029
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
	2	Route via gateway 3.3.3.3				
+	3	Route via gateway 2.2.2.2				
12 S	4.000	281473913981705	14:16:19	14:22:02	05:43	36.381
How long does Level 1 (FREE) license can be used?						
+	1	infinite time				
	2	24 hours				
	3	1 month				
	4	3 years				
13 M	4.000	281473913981705	14:19:37	14:21:26	01:49	109.098
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
+	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				
14 S	4.000	281473913981705	14:22:09	14:23:21	01:12	72.146
When adding a static route, you must always ensure that you add both the gateway and the interface.						
+	1	False				
	2	True				
15 S	4.000	281473913981705	14:23:21	14:26:54	03:33	212.291
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
16 S	4.000	281473913981705	14:26:54	14:29:09	02:15	134.525
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				
17 S	4.000	281473913981705	14:29:09	14:29:50	00:41	41.4
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
+	2	On 'br-lan'				
	3	On 'wlan1'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
18 S	4.000	281473913981705	14:29:50	14:33:14	03:24	203.788



School name

first row

second row

third row



Define a routing loop (choose the most precise description)		
	1	Situation where the packet is routed through the same router twice
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires
	3	Situation where the TTL of the packet expires
	4	Situation where the packet does not reach it's destination

19 M	4.000	281473913981705	14:33:14	14:34:06	00:52	52.296
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	dynamic - active - bgp				
+	3	direct - acknowledge - backup				
+	4	direct - active - bgp				

20 S	4.000	281473913981705	14:34:06	14:35:16	01:10	69.623
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				

21 S	4.000	281473913981705	14:35:16	14:35:39	00:23	23.14
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				

22 S	4.000	281473913981705	14:35:39	14:36:44	01:05	64.651
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 3				
	4	Layer 6				

23 S	4.000	281473913981705	14:36:44	14:38:00	01:16	75.327
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+c				
	2	Ctrl+s				
+	3	Ctrl+x				
	4	Ctrl+d				

24 S	4.000	281473913981705	14:38:00	14:39:50	01:50	110.029
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
+	1	System				
	2	Routing				
	3	Advanced-Tools				
	4	Hotspot				
	5	BGP				

25 M	4.000	281473913981705	14:39:50	14:40:44	00:54	54.552
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Console				
+	2	Direct,Available,Connected				
+	3	Dynamic,Active,Connected				
+	4	Dynamic,Available,Created				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-11-19 14:35:28 end time: 2018-11-19 14:48:12 time: 00:12:44 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	4.000	281473913981713	14:35:28	14:37:00	01:32	91.559
		In the Route List, the identification DAB for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - active - bgp			
	+	4	direct - acknowledge - backup			
2 S	4.000	281473913981713	14:37:00	14:37:19	00:19	18.946
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot ip-binding			
		2	/ip hotspot walled-garden			
		3	/ip hotspot profile			
	+	4	/ip hotspot user profile			
3 S	4.000	281473913981713	14:37:20	14:37:35	00:15	14.208
		What is necessary for PPPoE client configuration?				
		1	Static IP address on PPPoE client interface			
	+	2	Interface (on which PPPoE client is going to work)			
		3	ip firewall nat masquerade rule			
4 S	4.000	281473913981713	14:37:35	14:38:19	00:44	44.374
		You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?				
		1	Advanced-Tools			
	+	2	System			
		3	Hotspot			
		4	BGP			
		5	Routing			
5 S	4.000	281473913981713	14:38:19	14:38:39	00:20	19.571
		Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
	+	1	WPA PSK / WPA2 PSK			
		2	WPA EAP / WPA2 EAP			
6 S	4.000	281473913981713	14:38:39	14:40:40	02:01	120.972
		What kind of users are listed in the "/user" menu?				
	+	1	router users			
		2	wireless users			
		3	hotspot users			
		4	pptp users			
7 S	4.000	281473913981713	14:40:40	14:41:04	00:24	23.667
		MikroTik RouterOS commands can be run once a day by:				
		1	/system cron			
	+	2	/system scheduler			
		3	/system watchdog			
8 S	4.000	281473913981713	14:41:04	14:41:16	00:12	11.996
		You have a router with these configuration:				
		Public IP Address : 124.81.122.92/28				
		Default Gateway : 124.81.122.81				
		DNS Server : 124.81.122.91				
		Local IP Address : 192.168.2.1/24				



School name

first row

second row

third row



Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92

9 S	4.000	281473913981713	14:41:16	14:41:23	00:07	7.016
How long does Level 1 (FREE) license can be used?						
	1	3 years				
	2	24 hours				
+	3	infinite time				
	4	1 month				

10 S	4.000	281473913981713	14:41:23	14:41:40	00:17	16.527
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
+	1	No				
	2	Yes				

11 S	4.000	281473913981713	14:41:40	14:41:58	00:18	17.937
Which port does PPTP use by default?						
	1	TCP 1721				
	2	UDP 1721				
	3	UDP 1723				
+	4	TCP 1723				

12 S	4.000	281473913981713	14:41:58	14:42:14	00:16	15.884
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	DHCP service is not possible in this setup				
+	2	only on bridge interface				
	3	every bridge port				
	4	ethernet and wireless interfaces				

13 S	4.000	281473913981713	14:42:14	14:42:26	00:12	11.741
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	input				
+	2	forward				
	3	output				
	4	prerouting				

14 S	4.000	281473913981713	14:42:26	14:42:45	00:19	19.077
How many different priorities can be selected for queues in MikroTik RouterOS?						
+	1	8				
	2	0				
	3	16				
	4	1				

15 S	4.000	281473913981713	14:42:45	14:43:32	00:47	47.248
Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?						
	1	station-wds				
+	2	station-pseudobridge				
	3	station-bridge				
	4	station				

16 S	4.000	281473913981713	14:43:32	14:43:52	00:20	19.805
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
	3	Nothing – it will work as before				
+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				

17 S	4.000	281473913981713	14:43:52	14:44:23	00:31	30.832
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
+	1	masquerade				
	2	passthrough				



School name

first row

second row

third row



	3	tarpit
	4	allow

18 S	4.000	281473913981713	14:44:23	14:44:48	00:25	24.875
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	postrouting				
	2	input				
+	3	output				
	4	forward				

19 S	4.000	281473913981713	14:44:48	14:45:36	00:48	47.32
Define a routing loop (choose the most precise description)						
	1	Situation where the packet does not reach it's destination				
	2	Situation where the TTL of the packet expires				
	3	Situation where the packet is routed through the same router twice				
+	4	Situation where the packet is routed through the same sequence of routers until the TTL expires				

20 S	4.000	281473913981713	14:45:36	14:46:02	00:26	26.429
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 6				
	3	Layer 3				
	4	Layer 7				

21 S	4.000	281473913981713	14:46:02	14:46:33	00:31	30.4
It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.						
	1	False				
+	2	True				

22 S	4.000	281473913981713	14:46:33	14:46:56	00:23	23.049
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
	1	1024				
	2	2048				
+	3	2007				
	4	2012				

23 S	4.000	281473913981713	14:46:56	14:47:11	00:15	15.165
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				

24 M	4.000	281473913981713	14:47:11	14:47:53	00:42	41.598
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.14			

25 S	4.000	281473913981713	14:47:55	14:48:12	00:17	16.95
	In RouterOS queue configurations the word "total" usually represents					
	1	upload				
	2	download				
+	3	upload + download				
	4	download - upload				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1572040 name: Rossevine Artha Natasya user: 1572040 start time: 2018-11-19 14:35:49 end time: 2018-11-19 14:54:59 time: 00:19:10 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	14:35:49	14:37:30	01:41	101.148
		It is possible to create an encrypted PPPoE tunnel in RouterOS				
	1	False				
+	2	True				
2 S	4.000	281473913981699	14:37:30	14:37:58	00:28	27.32
		You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.				
	1	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
3 S	4.000	281473913981699	14:37:58	14:39:20	01:22	82.417
		Define a routing loop (choose the most precise description)				
	1	Situation where the packet is routed through the same router twice				
	2	Situation where the packet does not reach it's destination				
	3	Situation where the TTL of the packet expires				
+	4	Situation where the packet is routed through the same sequence of routers until the TTL expires				
4 S	4.000	281473913981699	14:39:20	14:40:19	00:59	58.028
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
+	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	3	Add each known client's MAC address to your access-list configuration is the only step needed				
	4	Check the "Do not permit unknown client" box in the wireless configuration				
	5	Configure the radius server under "/radius"				
5 S	4.000	281473913981699	14:40:19	14:41:05	00:46	46.193
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
	1	False				
+	2	True				
6 S	4.000	281473913981699	14:41:05	14:42:41	01:36	86.716
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
	1	station				
	2	station-wds				
+	3	station-pseudobridge				
	4	station-bridge				
7 S	4.000	281473913981699	14:42:41	14:43:50	01:09	69.254
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
	1	False				
+	2	True				
8 S	4.000	281473913981699	14:43:50	14:45:06	01:16	75.665
		Action=redirect can be used in NAT chain src-nat				
	1	False				
+	2	True				
9 S	4.000	281473913981699	14:45:06	14:45:34	00:28	27.55
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				



School name

first row

second row

third row



+	1	MAC Address
	2	802.11g
	3	VLAN ID
	4	IP Address

10 S	4.000	281473913981699	14:45:34	14:46:08	00:34	33.691
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	2	Open the router and ensure the CMOS battery is fine.				
	3	Write a script in 'system script' to set the clock.				
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.				

11 S	4.000	281473913981699	14:46:08	14:46:38	00:30	30.512
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
	1	allow				
	2	tarpit				
	3	passthrough				
+	4	masquerade				

12 S	4.000	281473913981699	14:46:38	14:46:49	00:11	10.925
MikroTik RouterOS commands can be run once a day by:						
	1	/system watchdog				
+	2	/system scheduler				
	3	/system cron				

13 S	4.000	281473913981699	14:46:49	14:47:16	00:27	26.393
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 7				
	3	Layer 6				
	4	Layer 3				

14 S	4.000	281473913981699	14:47:16	14:47:46	00:30	30.333
<p>Consider this topology:</p> <p>(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)</p> <p>Static routing on RB has been properly configured. Which configuration should be submitted on RA?</p>						
+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	2	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	3	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				

15 S	4.000	281473913981699	14:47:46	14:48:06	00:20	19.464
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				

16 S	4.000	281473913981699	14:48:06	14:49:42	01:36	95.715
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
	+	1	True			
		2	False			

17 S	4.000	281473913981699	14:49:42	14:50:10	00:28	23.261
	The highest queue priority is ...					
	1	16				
	2	8				
	3	256				
	+	4	1			

18 S	4.000	281473913981699	14:50:10	14:50:45	00:35	34.462
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
+	1	2007				
	2	1024				
	3	2048				
	4	2012				

19 S	4.000	281473913981699	14:50:45	14:51:29	00:44	44.238
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						



School name

first row

second row

third row



The command shown above:

	1	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2
	2	Adds IP address 192.168.1.2 to the interface ether1
+	3	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2
	4	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1

20 S	4.000	281473913981699	14:51:29	14:52:42	01:13	73.128
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				

21 S	4.000	281473913981699	14:52:42	14:53:42	01:00	59.198
PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.						
+	1	True				
	2	False				

22 S	4.000	281473913981699	14:53:42	14:54:12	00:30	30.104
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
+	1	On 'br-lan'				
	2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				

23 S	4.000	281473913981699	14:54:12	14:54:27	00:15	15.065
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+c				
+	3	Ctrl+x				
	4	Ctrl+s				

24 S	4.000	281473913981699	14:54:27	14:54:42	00:15	14.599
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
+	1	/ip hotspot user profile				
	2	/ip hotspot ip-binding				
	3	/ip hotspot profile				
	4	/ip hotspot walled-garden				

25 S	4.000	281473913981699	14:54:42	14:54:59	00:17	17.571
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download - upload				
+	3	upload + download				
	4	download				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-11-19 14:38:57 end time: 2018-11-19 14:54:49 time: 00:15:52 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981704	14:38:57	14:39:28	00:31	31.34
		MikroTik RouterOS commands can be run once a day by:				
	1	/system watchdog				
	2	/system cron				
	+	3	/system scheduler			
2 S	4.000	281473913981704	14:39:28	14:39:42	00:14	13.857
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
	+	1	False			
		2	True			
3 M	4.000	281473913981704	14:39:42	14:40:21	00:39	38.452
		What does the firewall action "redirect" do?				
	+	1	Redirect a packet to a specific port in the router			
	+	2	Redirect a packet to the router			
	+	3	Redirect a packet to a specific gateway			
	+	4	Redirect a packet to another host in the network			
4 S	4.000	281473913981704	14:40:21	14:40:56	00:35	35.094
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	+	1	No extra package required			
		2	Advanced-tools			
		3	DHCP			
		4	Routing			
5 M	4.000	281473913981704	14:40:56	14:41:57	01:01	61.363
		Possible actions of ip firewall filter are:				
	+	1	bounce			
	+	2	add-to-list			
	+	3	log			
	+	4	tarp			
6 S	4.000	281473913981704	14:41:57	14:42:39	00:42	41.59
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
	+	1	False			
		2	True			
7 S	4.000	281473913981704	14:42:39	14:43:03	00:24	24.132
		The highest queue priority is ...				
	+	1	1			
		2	256			
		3	8			
		4	16			
8 S	4.000	281473913981704	14:43:03	14:43:22	00:19	18.411
		You want to share the same user and password for different computers at the same time.				
		Which menu is used for configuration?				
		1	/ip hotspot ip-binding			
		2	/ip hotspot profile			
	+	3	/ip hotspot user profile			
		4	/ip hotspot walled-garden			
9 S	4.000	281473913981704	14:43:22	14:44:28	01:06	66.317
		Which route will be used to reach host 192.168.1.55?				



School name

first row

second row

third row



/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 1.1.1.1
+	2	Route via gateway 2.2.2.2
	3	Route via gateway 3.3.3.3

10 M	4.000	281473913981704	14:44:28	14:45:20	00:52	51.757
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
	+	1	Remove/Disable the Interfaces			
	+	2	Place a proper forward firewall rule to block mac discovery			
	+	3	Remove/Disable all interfaces under mac-server winbox			
	+	4	Remove/Disable all discovery interfaces			

11 S	4.000	281473913981704	14:45:20	14:45:49	00:29	29.392
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface			
		2	DHCP service is not possible in this setup			
		3	ethernet and wireless interfaces			
		4	every bridge port			

12 S	4.000	281473913981704	14:45:49	14:46:16	00:27	26.278
How many different priorities can be selected for queues in MikroTik RouterOS?						
		1	16			
	+	2	8			
		3	1			
		4	0			

13 S	4.000	281473913981704	14:46:16	14:46:38	00:22	22.158
Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?						
		1	WPA EAP / WPA2 EAP			
	+	2	WPA PSK / WPA2 PSK			

14 S	4.000	281473913981704	14:46:38	14:47:00	00:22	21.997
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
		4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			

15 S	4.000	281473913981704	14:47:00	14:47:44	00:44	43.737
What you cannot do with NETINSTALL?						
		1	Reset the whole configuration of RouterOS			
	+	2	Reset RouterOS password while maintaining the previous configuration			
		3	Reinstalling RouterOS			

16 S	4.000	281473913981704	14:47:44	14:48:07	00:23	23.298
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	1024			
		4	Unlimited			

17 S	4.000	281473913981704	14:48:07	14:48:57	00:50	49.803
PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.						
		1	False			
	+	2	True			



School name

first row

second row

third row



18 S	4.000	281473913981704	14:48:57	14:49:21	00:24	23.754
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
+	3	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	4	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
19 S	4.000	281473913981704	14:49:21	14:49:47	00:26	26.062
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				
20 S	4.000	281473913981704	14:49:47	14:53:10	03:23	202.762
Which of the protocols below is used by Netinstall?						
	1	DHCP				
	2	RARP				
+	3	BOOTP				
	4	ARP				
21 S	4.000	281473913981704	14:53:10	14:53:28	00:18	17.602
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
+	1	No				
	2	Yes				
22 S	4.000	281473913981704	14:53:28	14:53:41	00:13	13.221
What is necessary for PPPoE client configuration?						
+	1	Interface (on which PPPoE client is going to work)				
	2	Static IP address on PPPoE client interface				
	3	ip firewall nat masquerade rule				
23 S	4.000	281473913981704	14:53:41	14:54:17	00:36	35.98
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
+	1	True				
	2	False				
24 S	4.000	281473913981704	14:54:17	14:54:30	00:13	12.091
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
+	1	2007				
	2	1024				
	3	2012				
	4	2048				
25 S	4.000	281473913981704	14:54:30	14:54:49	00:19	19.259
It's impossible to remove user "admin" from "/user"						
	1	True				
+	2	False				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: UTS

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-10-12 13:15:56 end time: 2018-10-12 13:29:20 time: 00:13:24 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%)	(Reg Ganjil 2018-2019) MTCNA: UTS
---	-----------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981725	13:15:56	13:16:15	00:19	19.614
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
	1	every bridge port				
	2	DHCP service is not possible in this setup				
+	3	only on bridge interface				
	4	ethernet and wireless interfaces				
2 M	4.000	281473913981725	13:16:15	13:16:32	00:17	16.9
		Mark correct statements.				
+	1	Backup files are editable				
+	2	Backup files are not editable				
+	3	Export files are not editable				
3 S	4.000	281473913981725	13:16:32	13:16:47	00:15	15.101
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	1	Nothing – it will work as before				
	2	Another IP has to be added on the PC for Internet access				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
4 S	4.000	281473913981725	13:16:47	13:17:03	00:16	15.741
		When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:				
	1	4				
+	2	2				
	3	1				
	4	3				
5 S	4.000	281473913981725	13:17:03	13:17:30	00:27	26.829
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	1	DHCP				
	2	Routing				
	3	Advanced-tools				
+	4	No extra package required				
6 S	4.000	281473913981725	13:17:30	13:17:48	00:18	17.983
		Which is the default port for IP-WINBOX?				
	1	TCP/8192				
	2	UDP/8291				
	3	TCP/80				
+	4	TCP/8291				
7 S	4.000	281473913981725	13:17:48	13:18:49	01:01	60.846
		Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration. In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?				
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2				
+	2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				

**School name**first row
second row
third row

8 S	4.000	281473913981725	13:18:49	13:19:06	00:17	16.335
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			
9 S	4.000	281473913981725	13:19:06	13:19:29	00:23	23.449
Which of the protocols below is used by Netinstall?						
		1	RARP			
		2	DHCP			
		3	ARP			
	+	4	BOOTP			
10 S	4.000	281473913981725	13:19:29	13:19:46	00:17	16.07
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
		1	Advanced-Tools			
	+	2	System			
		3	Hotspot			
		4	Routing			
		5	BGP			
11 S	4.000	281473913981725	13:19:46	13:20:06	00:20	19.659
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
		1	True			
	+	2	False			
12 M	4.000	281473913981725	13:20:06	13:20:55	00:49	49.73
In the Route List, the identification DAb for a route stands for						
	+	1	dynamic - active - backup			
	+	2	direct - active - bgp			
	+	3	dynamic - active - bgp			
	+	4	direct - acknowledge - backup			
13 S	4.000	281473913981725	13:20:55	13:21:11	00:16	15.869
Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
		1	Active route via gateway 10.10.10.10			
		2	No active route			
	+	3	Active route via gateway 10.10.10.20			
		4	Active route via both gateway			
14 S	4.000	281473913981725	13:21:11	13:21:27	00:16	15.321
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	On 'wlan1'			
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
	+	3	On 'br-lan'			
		4	On both 'br-lan' and 'wlan1'			
15 S	4.000	281473913981725	13:21:27	13:22:00	00:33	33.439
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			
16 S	4.000	281473913981725	13:22:00	13:22:43	00:43	42.855
MAC Address defined in ... of OSI Model						
		1	Layer 3			
		2	Layer 7			
	+	3	Layer 2			
		4	Layer 6			
17 M	4.000	281473913981725	13:22:43	13:23:13	00:30	29.164
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	+	1	dhcp			
	+	2	wireless			
	+	3	advanced-tools			
	+	4	system			
	+	5	routing			
18 S	4.000	281473913981725	13:23:13	13:23:35	00:22	22.062



School name

first row

second row

third row



How many wireless clients can connect, when wireless card is configured to mode=bridge?		
	1	2
+	2	1
	3	1024
	4	Unlimited

19 S	4.000	281473913981725	13:23:35	13:26:27	02:52	172.041
Define a routing loop (choose the most precise description)						
	1	Situation where the TTL of the packet expires				
	2	Situation where the packet does not reach it's destination				
+	3	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	4	Situation where the packet is routed through the same router twice				

20 S	4.000	281473913981725	13:26:27	13:27:05	00:38	37.755
What you cannot do with NETINSTALL?						
	1	Reset the whole configuration of RouterOS				
+	2	Reset RouterOS password while maintaining the previous configuration				
	3	Reinstalling RouterOS				

21 S	4.000	281473913981725	13:27:05	13:27:33	00:28	28.283
When adding a static route, you must always ensure that you add both the gateway and the interface.						
+	1	False				
	2	True				

22 S	4.000	281473913981725	13:27:33	13:28:05	00:32	31.845
What kind of users are listed in the "/user" menu?						
+	1	router users				
	2	pptp users				
	3	hotspot users				
	4	wireless users				

23 S	4.000	281473913981725	13:28:05	13:28:34	00:29	28.536
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
+	1	True				
	2	False				

24 S	4.000	281473913981725	13:28:34	13:29:00	00:26	26.089
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	802.11g				
	2	VLAN ID				
	3	IP Address				
+	4	MAC Address				

25 S	4.000	281473913981725	13:29:00	13:29:20	00:20	19.52
In order to import a configuration, you do not need to reboot the router						
	1	False				
+	2	True				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-11-19 14:39:36 end time: 2018-11-19 14:57:37 time: 00:18:01 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981705	14:39:36	14:40:40	01:04	63.709
Which of the protocols below is used by Netinstall?						
+ 1 BOOTP						
2 DHCP						
3 ARP						
4 RARP						
2 M	4.000	281473913981705	14:40:40	14:44:41	04:01	240.73
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+ 1 Remove/Disable all interfaces under mac-server telnet						
+ 2 Remove/Disable the Interfaces						
+ 3 Add a Deny All input firewall rule						
+ 4 Remove/Disable all discovery interfaces						
3 S	4.000	281473913981705	14:44:41	14:45:12	00:31	30.794
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
1 Route via gateway 1.1.1.1						
2 Route via gateway 3.3.3.3						
+ 3 Route via gateway 2.2.2.2						
4 S	4.000	281473913981705	14:45:12	14:45:33	00:21	20.568
In RouterOS queue configurations the word "total" usually represents						
+ 1 upload + download						
2 download - upload						
3 upload						
4 download						
5 S	4.000	281473913981705	14:45:33	14:46:02	00:29	28.949
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
1 every bridge port						
+ 2 only on bridge interface						
3 DHCP service is not possible in this setup						
4 ethernet and wireless interfaces						
6 S	4.000	281473913981705	14:46:02	14:46:25	00:23	23.068
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
1 False						
+ 2 True						
7 M	4.000	281473913981705	14:46:25	14:46:52	00:27	27.524
Mark correct statements.						
+ 1 Backup files are not editable						
+ 2 Export files are not editable						
+ 3 Backup files are editable						
8 S	4.000	281473913981705	14:46:52	14:47:15	00:23	22.745



School name

first row

second row

third row



What is necessary for PPPoE client configuration?						
	1	Static IP address on PPPoE client interface				
+	2	Interface (on which PPPoE client is going to work)				
	3	ip firewall nat masquerade rule				
9 S	4.000	281473913981705	14:47:15	14:47:34	00:19	18.406
How many different priorities can be selected for queues in MikroTik RouterOS?						
	1	0				
	2	16				
	3	1				
+	4	8				
10 S	4.000	281473913981705	14:47:34	14:48:30	00:56	55.741
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
11 S	4.000	281473913981705	14:48:30	14:49:03	00:33	32.665
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	1	Configure the radius server under "/radius"				
+	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	3	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
	4	Add each known client's MAC address to your access-list configuration is the only step needed				
	5	Check the "Do not permit unknown client" box in the wireless configuration				
12 S	4.000	281473913981705	14:49:03	14:49:20	00:17	17.154
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
+	1	/ip hotspot user profile				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
	4	/ip hotspot ip-binding				
13 S	4.000	281473913981705	14:49:20	14:49:36	00:16	16.245
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
14 S	4.000	281473913981705	14:49:36	14:50:51	01:15	74.544
Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.						
+	1	False				
	2	True				
15 S	4.000	281473913981705	14:50:51	14:51:49	00:58	58.238
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	1	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2				
	2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1				
+	3	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2				
	4	Adds IP address 192.168.1.2 to the interface ether1				
16 S	4.000	281473913981705	14:51:49	14:52:31	00:42	41.675
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should submitted on RA?						
	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
17 S	4.000	281473913981705	14:52:31	14:52:47	00:16	15.649
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
+	1	False				



School name

first row

second row

third row



	2	True				
18 S	4.000	281473913981705	14:52:47	14:53:11	00:24	24.505
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	+	4	kind=pcq pcq-rate=256000 pcq-classifier=dst-address			
19 S	4.000	281473913981705	14:53:11	14:53:26	00:15	14.425
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			
20 S	4.000	281473913981705	14:53:26	14:53:40	00:14	14.328
MikroTik RouterOS commands can be run once a day by:						
	1	/system cron				
	2	/system watchdog				
	+	3	/system scheduler			
21 S	4.000	281473913981705	14:53:40	14:54:00	00:20	19.664
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	+	1	No			
		2	Yes			
22 M	4.000	281473913981705	14:54:00	14:54:45	00:45	45.005
What does the firewall action "redirect" do?						
	+	1	Redirect a packet to the router			
	+	2	Redirect a packet to a specific port in the router			
	+	3	Redirect a packet to another host in the network			
	+	4	Redirect a packet to a specific gateway			
23 S	0.000	281473913981705	14:54:45	14:56:40	01:55	114.207
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration. In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	-	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
24 S	4.000	281473913981705	14:56:40	14:57:10	00:30	30.001
Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?						
	1	station				
	+	2	station-pseudobridge			
		3	station-bridge			
		4	station-wds			
25 S	4.000	281473913981705	14:57:10	14:57:37	00:27	27.482
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
	1	Configure '/system ntp server' and set a valid and reachable NTP client address.				
	+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		3	Open the router and ensure the CMOS battery is fine.			
		4	Write a script in 'system script' to set the clock.			



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-4-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-26 14:03:50 end time: 2018-11-26 14:15:51 time: 00:12:01 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-3-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 M	4.000	281473913981714	14:03:50	14:15:51	12:01	48.093
-----	-------	-----------------	----------	----------	-------	--------

You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.

+	1	Place a proper input firewall rule to block mac discovery
+	2	Add a Deny All input firewall rule
+	3	Place a proper forward firewall rule to block mac discovery
+	4	Remove/Disable all discovery interfaces
+	5	Remove/Disable all interfaces under mac-server telnet
+	6	Remove/Disable all interfaces under mac-server winbox
+	7	Remove/Disable the Interfaces

2 S	4.000	281473913981714	14:05:42	14:06:02	00:20	19.937
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28
 Default Gateway : 124.81.122.81
 DNS Server : 124.81.122.91
 Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

+	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1

3 S	4.000	281473913981714	14:06:02	14:06:33	00:31	30.992
-----	-------	-----------------	----------	----------	-------	--------

To use masquerade, you need to specify

	1	action=masquerade, out-interface, chain=dst-nat
	2	action=accept, out-interface, chain=src-nat
	3	action=masquerade, in-interface, chain=src-nat
+	4	action=masquerade, out-interface, chain=src-nat

4 S	4.000	281473913981714	14:06:33	14:06:49	00:16	15.908
-----	-------	-----------------	----------	----------	-------	--------

PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.

+	1	True
	2	False

5 S	4.000	281473913981714	14:06:49	14:07:37	00:48	48.141
-----	-------	-----------------	----------	----------	-------	--------

/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81

The command shown above:

+	1	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2
	2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1
	3	Adds IP address 192.168.1.2 to the interface ether1
	4	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2

6 S	4.000	281473913981714	14:07:37	14:07:49	00:12	11.074
-----	-------	-----------------	----------	----------	-------	--------

In RouterOS queue configurations the word "total" usually represents

	1	download - upload
+	2	upload + download
	3	download

**School name**first row
second row
third row

	4	upload				
7 M	4.000	281473913981714	14:07:49	14:08:42	00:53	53.36
		What kind of users are listed in the Secrets window of the PPP menu?				
	+	1	l2tp users			
	+	2	wireless users			
	+	3	pptp users			
	+	4	hotspot users			
	+	5	winbox users			
8 S	4.000	281473913981714	14:08:42	14:09:06	00:24	24.039
		Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
		1	WPA EAP / WPA2 EAP			
	+	2	WPA PSK / WPA2 PSK			
9 S	4.000	281473913981714	14:09:06	14:09:16	00:10	10.035
		MAC Address defined in ... of OSI Model				
		1	Layer 6			
		2	Layer 7			
	+	3	Layer 2			
		4	Layer 3			
10 S	4.000	281473913981714	14:09:16	14:09:29	00:13	12.167
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot ip-binding			
	+	2	/ip hotspot user profile			
		3	/ip hotspot profile			
		4	/ip hotspot walled-garden			
11 S	4.000	281473913981714	14:09:29	14:09:45	00:16	16.279
		How many different priorities can be selected for queues in MikroTik RouterOS?				
		1	16			
		2	0			
		3	1			
	+	4	8			
12 S	4.000	281473913981714	14:09:45	14:10:07	00:22	22.362
		What is necessary for PPPoE client configuration?				
		1	Static IP address on PPPoE client interface			
	+	2	Interface (on which PPPoE client is going to work)			
		3	ip firewall nat masquerade rule			
13 S	4.000	281473913981714	14:10:07	14:10:23	00:16	15.526
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
		1	Another IP has to be added on the PC for Internet access			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Nothing – it will work as before			
14 S	4.000	281473913981714	14:10:23	14:10:39	00:16	16.125
		Which firewall chain should you use to filter clients HTTP traffic going through the router?				
		1	output			
		2	input			
		3	prerouting			
	+	4	forward			
15 S	4.000	281473913981714	14:10:39	14:10:51	00:12	11.295
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
		1	2			
	+	2	1			
		3	1024			
		4	Unlimited			
16 S	4.000	281473913981714	14:10:51	14:11:11	00:20	20.26
		Which packages are mandatory required to create a Wireless Access Point?				
		1	Routing			
		2	Advanced-tools			
	+	3	Wireless			



School name

first row

second row

third row



	4	DHCP				
17 S	4.000	281473913981714	14:11:11	14:11:27	00:16	15.662
		Which configuration menu should you use to change router's Winbox default port?				
	1	/ip firewall service-ports				
	2	/system resource				
+	3	/ip services				
	4	/ip firewall filter				
18 S	4.000	281473913981714	14:11:27	14:11:41	00:14	13.737
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
+	1	False				
	2	True				
19 S	4.000	281473913981714	14:11:41	14:12:00	00:19	19.009
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	1	Advanced-tools				
	2	Routing				
	3	DHCP				
+	4	No extra package required				
20 S	4.000	281473913981714	14:12:00	14:12:23	00:23	23.349
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	1	Yes				
+	2	No				
21 S	4.000	281473913981714	14:12:23	14:12:43	00:20	19.164
		When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:				
	1	4				
+	2	2				
	3	1				
	4	3				
22 S	4.000	281473913981714	14:12:43	14:13:36	00:53	53.591
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
+	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	2	Add each known client's MAC address to your access-list configuration is the only step needed				
	3	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
	4	Check the "Do not permit unknown client" box in the wireless configuration				
	5	Configure the radius server under "/radius"				
23 S	4.000	281473913981714	14:13:36	14:13:51	00:15	15.01
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
+	1	False				
	2	True				
24 S	4.000	281473913981714	14:13:51	14:14:09	00:18	17.017
		MikroTik RouterOS commands can be run once a day by:				
+	1	/system scheduler				
	2	/system cron				
	3	/system watchdog				
25 S	4.000	281473913981714	14:14:09	14:14:26	00:17	17.033
		If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.				
+	1	False				
	2	True				



School name

first row

second row

third row



Test Results

#	start time	time	test	user - surname, name	points
1	2018-10-01 13:50:53	00:34:18	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1372041 - 1372041, CHRISTYAN CHANDRA WIJA	44.000 (44%)
2	2018-10-01 13:50:51	00:24:44	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472040 - 1472040, VIANDRO ALFARIS	60.000 (60%)
3	2018-10-01 13:51:19	00:21:27	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572035 - 1572035, William Gautama	64.000 (64%)
4	2018-10-01 13:59:39	00:40:58	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572008 - 1572008, Gisela Kurniawati	72.000 (72%)
5	2018-10-01 13:51:43	00:56:01	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672001 - 1672001, VERNANDA DWI AYUNINGRUM	72.000 (72%)
6	2018-10-01 13:51:37	00:40:01	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472028 - 1472028, Johan Gautama Irawan	76.000 (76%)
7	2018-10-01 13:51:26	00:59:34	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672065 - 1672065, JESIKA ANASTASIA SAUNUNU	76.000 (76%)
8	2018-10-01 13:52:22	00:59:51	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572040 - 1572040, Rossevine Artha Natasya	80.000 (80%)
9	2018-10-01 13:51:24	00:53:53	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672061 - 1672061, LARAS APRILIANI	84.000 (84%)
10	2018-10-01 13:51:54	00:43:59	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672079 - 1672079, AMANDA PRIYA NAVRATILOVA	84.000 (84%)
11	2018-10-01 13:51:07	00:41:13	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472051 - 1472051, RENDY HERMANTO	88.000 (88%)
12	2018-10-01 13:51:33	00:35:37	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1472079 - 1472079, JUNIATER SIMBOLON	88.000 (88%)
13	2018-10-01 13:50:58	00:34:48	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572042 - 1572042, Syafirafitri Anwar	88.000 (88%)
14	2018-10-01 13:51:20	00:56:33	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672035 - 1672035, NURUL AFIANY	88.000 (88%)
15	2018-10-01 13:50:58	00:40:37	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572017 - 1572017, PRICILLIA CLAUDIA ALFO	96.000 (96%)
16	2018-10-01 13:51:32	00:19:38	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1572030 - 1572030, ANDIKA MULYAWAN DWI PR	96.000 (96%)
17	2018-10-01 13:51:12	00:49:32	(Reg Ganjil 2018-2019) MTCNA: Quiz 1	1672014 - 1672014, LYDIA NOVIANI KUSUMO	100.000 (100%)
PASSED: 16 (94%)					
mean					80%
median					84%
mode					88%
standard deviation					14%
skewness					-0.848
kurtosis					3.386

**School name**

first row

second row

third row

**test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1**

surname: 1372041
name: CHRISTYAN CHANDRA WIJA
user: 1372041
start time: 2018-10-01 13:50:53
end time: 2018-10-01 14:25:11
time: 00:34:18
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 44.000 / 100.000 (44%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981724	13:50:53	13:55:43	04:50	93.594
-----	-------	-----------------	----------	----------	-------	--------

Which configuration menu should you use to change router's Winbox default port?

+	1	/ip services
	2	/ip firewall service-ports
	3	/system resource
	4	/ip firewall filter

2 S	0.000	281473913981724	13:54:08	13:56:49	02:41	65.264
-----	-------	-----------------	----------	----------	-------	--------

A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.
Select the best solution for the problem.

	1	Configure '/system ntp client' and set a valid and reachable NTP server address.
	2	Open the router and ensure the CMOS battery is fine.
-	3	Write a script in 'system script' to set the clock.
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.

3 S	0.000	281473913981724	13:56:49	13:58:35	01:46	106.721
-----	-------	-----------------	----------	----------	-------	---------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	MAC Address
-	2	IP Address
	3	VLAN ID
	4	802.11g

4 S	0.000	281473913981724	13:58:35	13:58:59	00:24	23.76
-----	-------	-----------------	----------	----------	-------	-------

Which route will be used to reach host 192.168.1.55?

/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 2.2.2.2
-	2	Route via gateway 1.1.1.1
	3	Route via gateway 3.3.3.3

5 S	4.000	281473913981724	13:58:59	13:59:59	01:00	60.048
-----	-------	-----------------	----------	----------	-------	--------

DHCP server can serve clients without using IP address pool.

+	1	True
	2	False

6 S	0.000	281473913981724	13:59:59	14:00:26	00:27	26.454
-----	-------	-----------------	----------	----------	-------	--------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

-	1	Advanced-tools
	2	DHCP
	3	Routing
	4	No extra package required

7 S	4.000	281473913981724	14:00:26	14:01:40	01:14	73.511
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28
Default Gateway : 124.81.122.81
DNS Server : 124.81.122.91
Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	2	IP Address: 192.168.1.233/24



School name

first row
second row
third row



			Default Gateway: 124.81.122.91			
	+	3	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
8 S	0.000	281473913981724	14:01:40	14:02:43	01:03	63.015
	Consider this topology:					
	(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)					
	Static routing on RB has been properly configured.					
	Which configuration should be submitted on RA?					
		1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
	-	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			
9 M	0.000	281473913981724	14:02:43	14:03:56	01:13	73.073
	In the Route List, the identification DAB for a route stands for					
	+	1	dynamic - active - backup			
	-	2	direct - active - bgp			
	-	3	dynamic - active - bgp			
	+	4	direct - acknowledge - backup			
10 M	4.000	281473913981724	14:03:56	14:19:41	15:45	21.179
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.14			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.255			
11 S	0.000	281473913981724	14:04:30	14:05:26	00:56	56.067
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.					
	A PC with IP 192.168.1.2 can access internet.					
	When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.					
	What else should be done to keep Internet connection work for this PC?					
		1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		2	Another IP has to be added on the PC for Internet access			
	-	3	Nothing – it will work as before			
		4	MAC-Address of the new card has to be changed to gateway's MAC			
12 S	4.000	281473913981724	14:05:26	14:05:46	00:20	19.738
	A router has wireless and ethernet client interfaces, all client interfaces are bridged.					
	To create a DHCP service for all clients you must configure DHCP server on ...					
		1	every bridge port			
	+	2	only on bridge interface			
		3	ethernet and wireless interfaces			
		4	DHCP service is not possible in this setup			
13 S	4.000	281473913981724	14:05:46	14:19:14	13:28	6.077
	Consider this topology:					
	(10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24)					
	Assume that R2 and R3 has been configured for proper static routing configuration.					
	In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?					
		1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1			
		2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1			
	+	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2			
		4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
14 S	4.000	281473913981724	14:06:21	14:06:47	00:26	25.987
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
		1	False			
	+	2	True			
15 S	0.000	281473913981724	14:06:47	14:19:07	12:20	14.275
	When adding a static route, you must always ensure that you add both the gateway and the interface.					
	-	1	True			
		2	False			



School name

first row

second row

third row



16 M	0.000	281473913981724	14:07:13	14:18:53	11:40	31.523
When making router configuration export to file which of the statements are true:						
	+	1	The export file can be edited with a standard text editor after its creation			
	-	2	Export file name should be provided			
	+	3	Only full router configuration can be exported			
	-	4	Winbox usernames and passwords are backed up			
17 S	0.000	281473913981724	14:07:50	14:18:21	10:31	90.018
Which packages are mandatory required to create a Wireless Access Point?						
		1	Advanced-tools			
	-	2	DHCP			
		3	Routing			
		4	Wireless			
18 S	4.000	281473913981724	14:08:12	14:09:06	00:54	54.131
MAC Address defined in ... of OSI Model						
	+	1	Layer 2			
		2	Layer 3			
		3	Layer 6			
		4	Layer 7			
19 S	4.000	281473913981724	14:09:06	14:10:15	01:09	68.255
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
	+	2	On 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
		4	On 'wlan1'			
20 S	4.000	281473913981724	14:10:15	14:13:14	02:59	179.267
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	Unlimited			
	+	2	1			
		3	2			
		4	1024			
21 S	0.000	281473913981724	14:13:14	14:20:56	07:42	41.6
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
		1	True			
	-	2	False			
22 S	0.000	281473913981724	14:20:56	14:21:49	00:53	53.748
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	-	1	True			
		2	False			
23 S	0.000	281473913981724	14:21:49	14:22:01	00:12	11.273
What you cannot do with NETINSTALL?						
		1	Reinstalling RouterOS			
		2	Reset RouterOS password while maintaining the previous configuration			
	-	3	Reset the whole configuration of RouterOS			
24 S	4.000	281473913981724	14:22:01	14:22:33	00:32	32.209
Which of the following keystrokes enables safe mode in console:						
		1	Ctrl+s			
		2	Ctrl+c			
	+	3	Ctrl+x			
		4	Ctrl+d			
25 S	0.000	281473913981724	14:22:33	14:25:11	02:38	157.651
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	-	1	False			
		2	True			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472040
name: VIANDRO ALFARIS
user: 1472040
start time: 2018-10-01 13:50:51
end time: 2018-10-01 14:15:35
time: 00:24:44
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 60.000 / 100.000 (60%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 M	4.000	281473913981725	13:50:51	13:52:01	01:10	69.574
-----	-------	-----------------	----------	----------	-------	--------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Direct,Available,Connected
+	2	Dynamic,Active,Console
+	3	Dynamic,Active,Connected
+	4	Dynamic,Available,Created

2 S	4.000	281473913981725	13:52:01	13:52:30	00:29	29.242
-----	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

	1	Layer 7
+	2	Layer 2
	3	Layer 3
	4	Layer 6

3 S	4.000	281473913981725	13:52:30	13:53:22	00:52	51.452
-----	-------	-----------------	----------	----------	-------	--------

How long does **Level 1 (FREE) license** can be used?

	1	1 month
	2	3 years
+	3	infinite time
	4	24 hours

4 S	4.000	281473913981725	13:53:22	13:54:44	01:22	82.494
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28
Default Gateway : 124.81.122.81
DNS Server : 124.81.122.91
Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1

5 S	4.000	281473913981725	13:54:44	13:55:43	00:59	59.025
-----	-------	-----------------	----------	----------	-------	--------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

	1	DHCP service is not possible in this setup
	2	ethernet and wireless interfaces
+	3	only on bridge interface
	4	every bridge port

6 S	0.000	281473913981725	13:55:43	13:57:03	01:20	79.596
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should submitted on RA?

	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
-	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1

**School name**

first row

second row

third row



7 S	0.000	281473913981725	13:57:03	13:59:59	02:56	176.131
	Which is the default port for IP-WINBOX?					
	1	UDP/8291				
	2	TCP/8192				
	3	TCP/8291				
	-	4	TCP/80			
8 S	0.000	281473913981725	13:59:59	14:02:10	02:11	131.064
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	On 'br-lan'				
	-	2	On 'wlan1'			
	3	On both 'br-lan' and 'wlan1'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
9 S	0.000	281473913981725	14:02:10	14:03:56	01:46	105.69
	When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:					
	1	1				
	-	2	4			
	3	2				
	4	3				
10 S	4.000	281473913981725	14:03:56	14:05:50	01:54	113.459
	What you cannot do with NETINSTALL?					
	+	1	Reset RouterOS password while maintaining the previous configuration			
		2	Reinstalling RouterOS			
		3	Reset the whole configuration of RouterOS			
11 S	4.000	281473913981725	14:05:50	14:06:08	00:18	18.416
	You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.					
	+	1	True			
		2	False			
12 S	4.000	281473913981725	14:06:08	14:06:51	00:43	42.229
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
		1	True			
	+	2	False			
13 S	4.000	281473913981725	14:06:51	14:07:12	00:21	20.553
	Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20					
		1	Active route via both gateway			
		2	No active route			
	+	3	Active route via gateway 10.10.10.20			
		4	Active route via gateway 10.10.10.10			
14 S	4.000	281473913981725	14:07:12	14:07:51	00:39	39.781
	What kind of users are listed in the "/user" menu?					
		1	hotspot users			
		2	wireless users			
		3	pptp users			
	+	4	router users			
15 S	4.000	281473913981725	14:07:51	14:08:18	00:27	26.584
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	+	1	True			
		2	False			
16 S	4.000	281473913981725	14:08:18	14:08:50	00:32	31.714
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			



School name

first row

second row

third row



17 S	0.000	281473913981725	14:08:50	14:10:16	01:26	86.092
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
-	1	Route via gateway 1.1.1.1				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 2.2.2.2				
18 M	0.000	281473913981725	14:10:16	14:11:11	00:55	54.61
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
-	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.255				
+	4	192.169.0.1-192.169.0.254				
19 S	0.000	281473913981725	14:11:11	14:11:51	00:40	39.603
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	MAC Address				
-	2	IP Address				
	3	VLAN ID				
	4	802.11g				
20 S	0.000	281473913981725	14:11:51	14:12:55	01:04	64.037
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	1	False				
-	2	True				
21 S	0.000	281473913981725	14:12:55	14:13:12	00:17	17.251
DHCP server can serve clients without using IP address pool.						
-	1	False				
	2	True				
22 S	4.000	281473913981725	14:13:12	14:13:25	00:13	13.089
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
23 S	4.000	281473913981725	14:13:25	14:13:34	00:09	8.607
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	1024				
	3	Unlimited				
+	4	1				
24 S	4.000	281473913981725	14:13:34	14:15:02	01:28	88.104
Which packages are mandatory required to create a Wireless Access Point?						
	1	DHCP				
+	2	Wireless				
	3	Routing				
	4	Advanced-tools				
25 S	0.000	281473913981725	14:15:02	14:15:35	00:33	32.759
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+x				
	3	Ctrl+c				
-	4	Ctrl+s				

**School name**

first row

second row

third row

**test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1**

surname: 1572035
name: William Gautama
user: 1572035
start time: 2018-10-01 13:51:19
end time: 2018-10-01 14:12:46
time: 00:21:27
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 64.000 / 100.000 (64%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981720	13:51:19	13:54:42	03:23	202.539
		Define a routing loop (choose the most precise description)				
	+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires			
		2	Situation where the packet is routed through the same router twice			
		3	Situation where the TTL of the packet expires			
		4	Situation where the packet does not reach it's destination			
2 S	4.000	281473913981720	13:54:42	13:57:55	03:13	8.36
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
		1	Advanced-tools			
		2	DHCP			
		3	Routing			
	+	4	No extra package required			
3 S	4.000	281473913981720	13:56:47	14:01:42	04:55	87.551
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall service-ports			
		2	/system resource			
	+	3	/ip services			
		4	/ip firewall filter			
4 S	4.000	281473913981720	13:57:27	14:08:55	11:28	2.813
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
		1	Nothing – it will work as before			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	Another IP has to be added on the PC for Internet access			
5 S	4.000	281473913981720	13:57:32	13:59:54	02:22	3.647
		Which of the protocols below is used by Netinstall?				
		1	RARP			
		2	DHCP			
		3	ARP			
	+	4	BOOTP			
6 S	0.000	281473913981720	14:01:49	14:02:02	00:13	12.502
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
	-	1	False			
		2	True			
7 S	0.000	281473913981720	14:02:03	14:02:36	00:33	32.756
		Which of the following keystrokes enables safe mode in console:				
		1	Ctrl+x			
		2	Ctrl+s			
		3	Ctrl+c			
	-	4	Ctrl+d			
8 S	4.000	281473913981720	14:02:36	14:03:26	00:50	49.333
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	VLAN ID			



School name

first row

second row

third row



	2	802.11g
+	3	MAC Address
	4	IP Address

9 S	4.000	281473913981720	14:03:27	14:03:41	00:14	14.079
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

10 S	4.000	281473913981720	14:03:42	14:04:01	00:19	18.507
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
	2	DHCP service is not possible in this setup				
+	3	only on bridge interface				
	4	ethernet and wireless interfaces				

11 S	4.000	281473913981720	14:04:01	14:04:35	00:34	33.886
<p>Consider this topology:</p> <p>(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)</p> <p>Static routing on RB has been properly configured. Which configuration should submitted on RA?</p>						
+		1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
		4	/ip route add dst-address=10.10.10.0/24 gatway=10.10.10.2			

12 M	0.000	281473913981720	14:04:36	14:04:51	00:15	14.926
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
-	2	192.168.0.1-192.168.0.14				
+	3	192.169.0.1-192.169.0.254				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				

13 S	0.000	281473913981720	14:04:51	14:05:25	00:34	33.896
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	On 'br-lan'				
-	2	On both 'br-lan' and 'wlan1'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

14 S	0.000	281473913981720	14:05:26	14:06:02	00:36	35.463
What kind of users are listed in the "/user" menu?						
	1	hotspot users				
	2	router users				
-	3	wireless users				
	4	pptp users				

15 S	0.000	281473913981720	14:06:03	14:06:36	00:33	33.369
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	1	False				
-	2	True				

16 S	4.000	281473913981720	14:06:37	14:06:47	00:10	9.954
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
+	1	True				
	2	False				

17 S	0.000	281473913981720	14:06:47	14:08:13	01:26	85.701
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
-	2	Route via gateway 3.3.3.3				
	3	Route via gateway 2.2.2.2				



School name

first row

second row

third row



18 S	4.000	281473913981720	14:08:13	14:09:56	01:43	47.758
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
19 S	0.000	281473913981720	14:09:57	14:10:12	00:15	15.602
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
-	3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
20 S	0.000	281473913981720	14:10:13	14:10:47	00:34	34.382
Consider this topology:						
(10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24)						
Assume that R2 and R3 has been configured for proper static routing configuration.						
In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2				
-	3	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				
21 S	4.000	281473913981720	14:10:48	14:11:01	00:13	12.707
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				
	2	Unlimited				
	3	2				
	4	1024				
22 S	4.000	281473913981720	14:11:02	14:11:12	00:10	9.937
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				
23 M	4.000	281473913981720	14:11:12	14:11:33	00:21	20.738
Mark correct statements.						
+	1	Export files are not editable				
+	2	Backup files are editable				
+	3	Backup files are not editable				
24 S	4.000	281473913981720	14:11:34	14:11:45	00:11	10.533
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981720	14:11:45	14:12:46	01:01	60.939
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
	1	Write a script in 'system script' to set the clock.				
	2	Open the router and ensure the CMOS battery is fine.				
	3	Configure '/system ntp server' and set a valid and reachable NTP client address.				
+	4	Configure '/system ntp client' and set a valid and reachable NTP server address.				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572008
 name: Gisela Kurniawati
 user: 1572008
 start time: 2018-10-01 13:59:39
 end time: 2018-10-01 14:40:37
 time: 00:40:58
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 72.000 / 100.000 (72%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473568517814	13:59:39	13:59:54	00:15	14.027
-----	-------	-----------------	----------	----------	-------	--------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

+	1	1
	2	Unlimited
	3	1024
	4	2

2 S	4.000	281473568517814	14:00:01	14:31:38	31:37	5.186
-----	-------	-----------------	----------	----------	-------	-------

Which default route will be active?

/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10
 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20

+	1	Active route via gateway 10.10.10.20
	2	Active route via gateway 10.10.10.10
	3	No active route
	4	Active route via both gateway

3 S	4.000	281473568517814	14:02:59	14:03:30	00:31	31.044
-----	-------	-----------------	----------	----------	-------	--------

Which is the default port for IP-WINBOX?

	1	TCP/80
	2	UDP/8291
+	3	TCP/8291
	4	TCP/8192

4 S	0.000	281473568517814	14:03:37	14:04:58	01:21	80.909
-----	-------	-----------------	----------	----------	-------	--------

In order to import a configuration, you **do not** need to reboot the router

	1	True
-	2	False

5 S	4.000	281473568517814	14:04:59	14:10:04	05:05	13.05
-----	-------	-----------------	----------	----------	-------	-------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

+	1	No extra package required
	2	Routing
	3	DHCP
	4	Advanced-tools

6 S	4.000	281473568517814	14:07:40	14:10:25	02:45	19.497
-----	-------	-----------------	----------	----------	-------	--------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	On both 'br-lan' and 'wlan1'
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'
	4	On 'wlan1'

7 S	4.000	281473568517814	14:10:25	14:11:46	01:21	76.857
-----	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

	1	Layer 7
	2	Layer 3
+	3	Layer 2
	4	Layer 6

8 S	4.000	281473568517814	14:11:47	14:14:22	02:35	154.918
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.



School name

first row

second row

third row



Which configuration should submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
9 S	4.000	281473568517814	14:14:23	14:14:38	00:15	14.709
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	ethernet and wireless interfaces				
	3	every bridge port				
	4	DHCP service is not possible in this setup				
10 S	4.000	281473568517814	14:14:39	14:16:51	02:12	2.747
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
+	1	System				
	2	Routing				
	3	Hotspot				
	4	Advanced-Tools				
	5	BGP				
11 M	4.000	281473568517814	14:16:55	14:17:37	00:42	41.889
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.14				
+	2	192.168.0.1-192.168.0.255				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				
12 S	4.000	281473568517814	14:17:39	14:18:37	00:58	57.633
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	VLAN ID				
+	2	MAC Address				
	3	802.11g				
	4	IP Address				
13 S	0.000	281473568517814	14:18:37	14:21:11	02:34	125.455
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 3.3.3.3				
-	2	Route via gateway 1.1.1.1				
	3	Route via gateway 2.2.2.2				
14 S	4.000	281473568517814	14:21:11	14:24:16	03:05	122.138
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				
15 S	0.000	281473568517814	14:24:16	14:25:25	01:09	68.757
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
-	3	Nothing – it will work as before				
	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
16 S	0.000	281473568517814	14:25:27	14:25:44	00:17	17.49
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	3 years				
-	3	24 hours				
	4	infinite time				
17 S	4.000	281473568517814	14:25:45	14:27:10	01:25	84.778
Define a routing loop (choose the most precise description)						

**School name**first row
second row
third row

+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires
	2	Situation where the TTL of the packet expires
	3	Situation where the packet is routed through the same router twice
	4	Situation where the packet does not reach it's destination

18 S	4.000	281473568517814	14:27:11	14:27:41	00:30	29.76
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	4				
+	3	2				
	4	1				

19 S	4.000	281473568517814	14:27:42	14:28:39	00:57	56.49
Which packages are mandatory required to create a Wireless Access Point?						
	1	Routing				
+	2	Wireless				
	3	DHCP				
	4	Advanced-tools				

20 S	0.000	281473568517814	14:28:48	14:30:04	01:16	75.515
DHCP server can serve clients without using IP address pool.						
-	1	False				
	2	True				

21 S	0.000	281473568517814	14:30:05	14:35:01	04:56	91.999
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
-	1	False				
	2	True				

22 S	0.000	281473568517814	14:35:01	14:35:50	00:49	48.261
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
-	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				

23 S	4.000	281473568517814	14:35:56	14:38:13	02:17	137.09
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

24 S	4.000	281473568517814	14:38:14	14:39:53	01:39	98.679
Which of the protocols below is used by Netinstall?						
	1	ARP				
+	2	BOOTP				
	3	DHCP				
	4	RARP				

25 S	4.000	281473568517814	14:39:54	14:40:37	00:43	42.071
Which of the following keystrokes enables safe mode in console:						
+	1	Ctrl+x				
	2	Ctrl+d				
	3	Ctrl+c				
	4	Ctrl+s				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-10-01 13:51:43 end time: 2018-10-01 14:47:44 time: 00:56:01 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 72.000 / 100.000 (72%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981704	13:51:43	13:56:54	05:11	2.187
-----	-------	-----------------	----------	----------	-------	-------

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

	1	4
	2	3
	3	1
+	4	2

2 S	4.000	281473913981704	13:55:15	13:57:17	02:02	22.673
-----	-------	-----------------	----------	----------	-------	--------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'
	3	On 'wlan1'
	4	On both 'br-lan' and 'wlan1'

3 M	4.000	281473913981704	13:57:17	13:58:15	00:58	57.62
-----	-------	-----------------	----------	----------	-------	-------

In the Route List, the identification DAB for a route stands for

+	1	direct - acknowledge - backup
+	2	direct - active - bgp
+	3	dynamic - active - bgp
+	4	dynamic - active - backup

4 S	0.000	281473913981704	13:58:15	13:59:43	01:28	87.538
-----	-------	-----------------	----------	----------	-------	--------

You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.

	1	False
-	2	True

5 M	4.000	281473913981704	13:59:43	14:01:28	01:45	105.417
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic,Active,Connected
+	2	Dynamic,Available,Created
+	3	Dynamic,Active,Console
+	4	Direct,Available,Connected

6 S	4.000	281473913981704	14:01:28	14:03:20	01:52	111.635
-----	-------	-----------------	----------	----------	-------	---------

RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.

	1	False
+	2	True

7 S	4.000	281473913981704	14:03:20	14:46:02	42:42	33.611
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(10.1.1.0/24)**R1**(172.16.0.1) --- (172.16.0.2)**R2**(172.30.10.1) --- (172.30.10.2)**R3**(192.168.10.0/24)

Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

8 S	4.000	281473913981704	14:07:02	14:07:20	00:18	17.749
-----	-------	-----------------	----------	----------	-------	--------

If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.

+	1	False
	2	True



School name

first row

second row

third row



9 S	4.000	281473913981704	14:07:20	14:07:34	00:14	14.048
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
+	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
10 S	4.000	281473913981704	14:07:34	14:08:22	00:48	48.074
Which configuration menu should you use to change router's Winbox default port?						
+	1	/ip services				
	2	/system resource				
	3	/ip firewall service-ports				
	4	/ip firewall filter				
11 S	4.000	281473913981704	14:08:22	14:09:20	00:58	58.094
What kind of users are listed in the "/user" menu?						
	1	wireless users				
	2	hotspot users				
+	3	router users				
	4	pptp users				
12 S	4.000	281473913981704	14:09:20	14:12:06	02:46	165.944
In order to import a configuration, you do not need to reboot the router						
+	1	True				
	2	False				
13 S	4.000	281473913981704	14:12:06	14:13:27	01:21	80.764
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
14 S	0.000	281473913981704	14:13:27	14:17:24	03:57	236.215
Define a routing loop (choose the most precise description)						
	1	Situation where the packet is routed through the same router twice				
	2	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	3	Situation where the TTL of the packet expires				
-	4	Situation where the packet does not reach it's destination				
15 S	4.000	281473913981704	14:17:24	14:17:47	00:23	23.394
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	Unlimited				
	2	1024				
	3	2				
+	4	1				
16 S	0.000	281473913981704	14:17:47	14:18:01	00:14	13.445
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
	3	Another IP has to be added on the PC for Internet access				
-	4	Nothing – it will work as before				
17 S	4.000	281473913981704	14:18:01	14:20:30	02:29	148.671
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+	1	No extra package required				
	2	Advanced-tools				
	3	DHCP				
	4	Routing				



School name

first row

second row

third row



18 S	4.000	281473913981704	14:20:30	14:22:17	01:47	107.538
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	+	1	MAC Address			
		2	VLAN ID			
		3	IP Address			
		4	802.11g			
19 S	4.000	281473913981704	14:22:17	14:22:36	00:19	18.723
MAC Address defined in ... of OSI Model						
		1	Layer 3			
	+	2	Layer 2			
		3	Layer 7			
		4	Layer 6			
20 S	4.000	281473913981704	14:22:36	14:24:54	02:18	137.755
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
		1	False			
	+	2	True			
21 S	0.000	281473913981704	14:24:54	14:25:15	00:21	21.216
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
		1	DHCP service is not possible in this setup			
		2	only on bridge interface			
		3	every bridge port			
	-	4	ethernet and wireless interfaces			
22 M	0.000	281473913981704	14:25:15	14:28:28	03:13	192.71
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	+	1	system			
	+	2	routing			
	-	3	wireless			
	+	4	dhcp			
	+	5	advanced-tools			
23 M	0.000	281473913981704	14:28:28	14:30:09	01:41	100.861
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.169.0.1-192.169.0.254			
	+	2	192.168.0.1-192.168.0.255			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	4	192.168.0.1-192.168.0.14			
24 S	0.000	281473913981704	14:30:09	14:46:45	16:36	5.53
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
		1	Advanced-Tools			
		2	Routing			
		3	System			
		4	Hotspot			
	-	5	BGP			
25 S	4.000	281473913981704	14:46:45	14:47:44	00:59	59.15
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
		1	Configure '/system ntp server' and set a valid and reachable NTP client address.			
		2	Open the router and ensure the CMOS battery is fine.			
	+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		4	Write a script in 'system script' to set the clock.			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472028
 name: Johan Gautama Irawan
 user: 1472028
 start time: 2018-10-01 13:51:37
 end time: 2018-10-01 14:31:38
 time: 00:40:01
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 76.000 / 100.000 (76%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	0.000	281473913981716	13:51:37	13:54:27	02:50	169.758
-----	-------	-----------------	----------	----------	-------	---------

Which route will be used to reach host 192.168.1.55?

/ip route

add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1

add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2

add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

1 Route via gateway 2.2.2.2

- 2 Route via gateway 1.1.1.1

3 Route via gateway 3.3.3.3

2 S	4.000	281473913981716	13:54:27	13:58:04	03:37	153.725
-----	-------	-----------------	----------	----------	-------	---------

Define a routing loop (choose the most precise description)

+ 1 Situation where the packet is routed through the same sequence of routers until the TTL expires

2 Situation where the packet is routed through the same router twice

3 Situation where the TTL of the packet expires

4 Situation where the packet does not reach it's destination

3 S	4.000	281473913981716	13:58:15	13:58:22	00:07	7.47
-----	-------	-----------------	----------	----------	-------	------

How long does **Level 1 (FREE) license** can be used?

1 1 month

+ 2 infinite time

3 24 hours

4 3 years

4 S	4.000	281473913981716	13:58:25	13:59:08	00:43	43.338
-----	-------	-----------------	----------	----------	-------	--------

You have a DHCP server on your MikroTik router.

The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network.

After a while 20 more IP Addresses need to be distributed in the network.

It is possible to distribute the extra IP Addresses without adding another DHCP Server.

1 False

+ 2 True

5 S	4.000	281473913981716	13:59:12	13:59:54	00:42	42.161
-----	-------	-----------------	----------	----------	-------	--------

Which is the default port for IP-WINBOX?

1 TCP/8192

2 UDP/8291

3 TCP/80

+ 4 TCP/8291

6 S	0.000	281473913981716	14:00:03	14:02:21	02:18	137.551
-----	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

- 1 False

2 True

7 S	4.000	281473913981716	14:02:26	14:04:30	02:04	117.027
-----	-------	-----------------	----------	----------	-------	---------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

+ 1 No extra package required

2 Advanced-tools

3 Routing

4 DHCP

8 S	4.000	281473913981716	14:04:35	14:31:38	27:03	159.617
-----	-------	-----------------	----------	----------	-------	---------

Which of the following keystrokes enables safe mode in console:

1 Ctrl+s

2 Ctrl+d

3 Ctrl+c



School name

first row

second row

third row



	+	4	Ctrl+x				
9 S	4.000	281473913981716	14:05:36	14:06:11	00:35	32.205	
	A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface				
		2	every bridge port				
		3	ethernet and wireless interfaces				
		4	DHCP service is not possible in this setup				
10 S	4.000	281473913981716	14:06:12	14:06:30	00:18	18.593	
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	+	1	False				
		2	True				
11 S	4.000	281473913981716	14:06:32	14:06:47	00:15	15.185	
	How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2				
		2	Unlimited				
	+	3	1				
		4	1024				
12 M	0.000	281473913981716	14:06:48	14:07:13	00:25	24.737	
	Mark correct statements.						
	+	1	Backup files are not editable				
	-	2	Backup files are editable				
	-	3	Export files are not editable				
13 S	0.000	281473913981716	14:07:15	14:08:21	01:06	66.367	
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	-	1	On 'wlan1'				
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
		3	On both 'br-lan' and 'wlan1'				
		4	On 'br-lan'				
14 S	0.000	281473913981716	14:08:23	14:28:51	20:28	69.449	
	What kind of users are listed in the "/user" menu?						
		1	wireless users				
		2	router users				
	-	3	hotspot users				
		4	pptp users				
15 S	4.000	281473913981716	14:09:04	14:09:28	00:24	23.695	
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
		1	False				
	+	2	True				
16 M	4.000	281473913981716	14:09:29	14:10:18	00:49	49.211	
	In the Route List, the identification DAb for a route stands for						
	+	1	dynamic - active - backup				
	+	2	direct - acknowledge - backup				
	+	3	dynamic - active - bgp				
	+	4	direct - active - bgp				
17 M	4.000	281473913981716	14:10:20	14:10:54	00:34	33.074	
	When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Connected				
	+	2	Dynamic,Active,Console				
	+	3	Direct,Available,Connected				
	+	4	Dynamic,Available,Created				
18 S	4.000	281473913981716	14:10:58	14:11:48	00:50	49.44	
	You have a router with these configuration:						
	Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
	Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24				



School name

first row

second row

third row



		Default Gateway: 192.168.2.1				
	2	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
+	3	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				
19 S	4.000	281473913981716	14:11:53	14:13:20	01:27	86.397
	Consider this topology: (192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should be submitted on RA?					
	+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2			
		2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2			
		3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1			
		4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1			
20 S	4.000	281473913981716	14:13:21	14:13:45	00:24	24.064
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			
21 S	4.000	281473913981716	14:13:49	14:14:08	00:19	18.914
	In order to import a configuration, you do not need to reboot the router					
		1	False			
	+	2	True			
22 S	4.000	281473913981716	14:14:13	14:14:35	00:22	21.492
	If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.					
		1	True			
	+	2	False			
23 S	4.000	281473913981716	14:14:36	14:14:52	00:16	15.629
	When sending out an ARP request, an IP host is expecting what kind of address for an answer?					
		1	IP Address			
		2	VLAN ID			
		3	802.11g			
	+	4	MAC Address			
24 M	0.000	281473913981716	14:14:55	14:26:15	11:20	44.341
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.169.0.1-192.169.0.254			
	-	2	192.168.0.1-192.168.0.14			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.255			
25 S	4.000	281473913981716	14:16:20	14:16:33	00:13	13.259
	MAC Address defined in ... of OSI Model					
		1	Layer 3			
		2	Layer 6			
	+	3	Layer 2			
		4	Layer 7			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672065 name: JESIKA ANASTASIA SAUNUNU user: 1672065 start time: 2018-10-01 13:51:26 end time: 2018-10-01 14:51:00 time: 00:59:34 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 76.000 / 100.000 (76%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981707	13:51:26	13:54:18	02:52	171.201
-----	-------	-----------------	----------	----------	-------	---------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	802.11g
	2	VLAN ID
+	3	MAC Address
	4	IP Address

2 M	0.000	281473913981707	13:54:19	13:57:47	03:28	207.828
-----	-------	-----------------	----------	----------	-------	---------

DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:

-	1	192.168.0.1-192.168.0.14
+	2	192.168.0.1-192.168.0.255
+	3	192.169.0.1-192.169.0.254
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254

3 S	4.000	281473913981707	13:57:48	14:00:43	02:55	174.622
-----	-------	-----------------	----------	----------	-------	---------

Which route will be used to reach host 192.168.1.55?

/ip route

add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1

add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2

add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 3.3.3.3
	2	Route via gateway 1.1.1.1
+	3	Route via gateway 2.2.2.2

4 S	0.000	281473913981707	14:00:45	14:04:32	03:47	226.512
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should submitted on RA?

	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
-	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
	4	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1

5 M	4.000	281473913981707	14:04:33	14:07:36	03:03	183.065
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic, Available, Created
+	2	Dynamic, Active, Console
+	3	Direct, Available, Connected
+	4	Dynamic, Active, Connected

6 S	4.000	281473913981707	14:07:37	14:08:24	00:47	47.023
-----	-------	-----------------	----------	----------	-------	--------

If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.

+	1	False
	2	True

7 S	0.000	281473913981707	14:08:25	14:13:45	05:20	319.304
-----	-------	-----------------	----------	----------	-------	---------

You need to use "static routing" feature of MikroTik RouterOS.

What is the necessary package you need to install?

-	1	Routing
	2	Advanced-Tools
	3	BGP
	4	System

**School name**

first row

second row

third row



	5	Hotspot				
8 M	4.000	281473913981707	14:13:57	14:15:48	01:51	111.036
	Mark correct statements.					
	+	1	Backup files are editable			
	+	2	Backup files are not editable			
	+	3	Export files are not editable			
9 S	4.000	281473913981707	14:15:50	14:16:48	00:58	57.743
	Which of the following keystrokes enables safe mode in console:					
		1	Ctrl+c			
		2	Ctrl+s			
		3	Ctrl+d			
	+	4	Ctrl+x			
10 S	4.000	281473913981707	14:17:04	14:21:10	04:06	245.804
	A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...					
		1	every bridge port			
		2	ethernet and wireless interfaces			
	+	3	only on bridge interface			
		4	DHCP service is not possible in this setup			
11 S	4.000	281473913981707	14:21:11	14:21:50	00:39	38.738
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	+	1	True			
		2	False			
12 S	4.000	281473913981707	14:22:01	14:23:25	01:24	83.415
	MAC Address defined in ... of OSI Model					
		1	Layer 6			
		2	Layer 7			
		3	Layer 3			
	+	4	Layer 2			
13 S	4.000	281473913981707	14:23:26	14:25:09	01:43	103.152
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
		1	2			
		2	1024			
	+	3	1			
		4	Unlimited			
14 S	4.000	281473913981707	14:25:10	14:25:30	00:20	20.038
	When adding a static route, you must always ensure that you add both the gateway and the interface.					
		1	True			
	+	2	False			
15 S	4.000	281473913981707	14:25:36	14:28:29	02:53	173.012
	Which default route will be active? /ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20					
	+	1	Active route via gateway 10.10.10.20			
		2	No active route			
		3	Active route via both gateway			
		4	Active route via gateway 10.10.10.10			
16 S	0.000	281473913981707	14:28:31	14:31:17	02:46	165.357
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Nothing – it will work as before			
	-	2	Another IP has to be added on the PC for Internet access			
		3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	MAC-Address of the new card has to be changed to gateway's MAC			
17 S	4.000	281473913981707	14:31:18	14:31:43	00:25	24.474
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
		1	True			
	+	2	False			

**School name**

first row

second row

third row



18 M	4.000	281473913981707	14:31:44	14:34:01	02:17	136.586
In the Route List, the identification DAB for a route stands for						
+		1	direct - acknowledge - backup			
+		2	dynamic - active - bgp			
+		3	dynamic - active - backup			
+		4	direct - active - bgp			
19 S	0.000	281473913981707	14:34:03	14:37:43	03:40	219.779
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		2	On 'wlan1'			
		3	On 'br-lan'			
-		4	On both 'br-lan' and 'wlan1'			
20 S	4.000	281473913981707	14:37:43	14:39:12	01:29	8.081
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
+		1	True			
		2	False			
21 S	4.000	281473913981707	14:39:14	14:41:16	02:02	122.459
Which packages are mandatory required to create a Wireless Access Point?						
		1	Advanced-tools			
		2	DHCP			
		3	Routing			
+		4	Wireless			
22 M	0.000	281473913981707	14:42:09	14:46:53	04:44	8.726
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
-		1	dhcp			
+		2	advanced-tools			
-		3	system			
-		4	routing			
+		5	wireless			
23 S	4.000	281473913981707	14:46:36	14:47:54	01:18	61.302
What kind of users are listed in the "/user" menu?						
		1	wireless users			
		2	pptp users			
		3	hotspot users			
+		4	router users			
24 S	4.000	281473913981707	14:47:55	14:48:42	00:47	47.751
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+		1	No extra package required			
		2	DHCP			
		3	Advanced-tools			
		4	Routing			
25 S	4.000	281473913981707	14:48:43	14:51:00	02:17	136.783
DHCP server can serve clients without using IP address pool.						
		1	False			
+		2	True			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572040 name: Rossevina Artha Natasya user: 1572040 start time: 2018-10-01 13:52:22 end time: 2018-10-01 14:52:13 time: 00:59:51 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 80.000 / 100.000 (80%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	13:52:22	13:59:43	07:21	440.117
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	+	1	1			
		2	Unlimited			
		3	1024			
		4	2			
2 S	4.000	281473913981699	13:59:43	14:04:59	05:16	85.684
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	+	1	No extra package required			
		2	DHCP			
		3	Routing			
		4	Advanced-tools			
3 M	4.000	281473913981699	14:04:59	14:05:42	00:43	42.833
		Mark correct statements.				
	+	1	Export files are not editable			
	+	2	Backup files are not editable			
	+	3	Backup files are editable			
4 S	4.000	281473913981699	14:05:42	14:13:29	07:47	217.328
		In order to import a configuration, you do not need to reboot the router				
		1	False			
	+	2	True			
5 M	4.000	281473913981699	14:13:32	14:14:27	00:55	54.919
		In the Route List, the identification DAb for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - active - bgp			
	+	4	direct - acknowledge - backup			
6 S	0.000	281473913981699	14:14:28	14:18:06	03:38	217.471
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'			
	-	2	On both 'br-lan' and 'wlan1'			
		3	On 'br-lan'			
		4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
7 M	0.000	281473913981699	14:18:06	14:20:22	02:16	136.343
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	-	3	192.168.0.1-192.168.0.14			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
8 S	4.000	281473913981699	14:20:23	14:21:05	00:42	41.411
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall filter			
		2	/ip firewall service-ports			
	+	3	/ip services			
		4	/system resource			
9 S	4.000	281473913981699	14:21:06	14:23:40	02:34	154.313



School name

first row

second row

third row



When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	802.11g				
	2	IP Address				
	3	VLAN ID				
+	4	MAC Address				
10 S	4.000	281473913981699	14:23:42	14:24:53	01:11	71.138
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			
11 S	4.000	281473913981699	14:24:54	14:26:42	01:48	107.512
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
+	2	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				
	3	IP Address: 192.168.0.1/24				
		Default Gateway: 192.168.2.1				
	4	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				
12 S	4.000	281473913981699	14:26:43	14:28:03	01:20	80.051
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 3.3.3.3				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 1.1.1.1				
13 S	4.000	281473913981699	14:28:05	14:28:53	00:48	48.108
What kind of users are listed in the "/user" menu?						
	+	1	router users			
		2	pptp users			
		3	hotspot users			
		4	wireless users			
14 S	4.000	281473913981699	14:28:56	14:30:39	01:43	102.916
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.						
Select the best solution for the problem.						
	1	Configure '/system ntp server' and set a valid and reachable NTP client address.				
+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	3	Write a script in 'system script' to set the clock.				
	4	Open the router and ensure the CMOS battery is fine.				
15 S	4.000	281473913981699	14:30:40	14:32:06	01:26	85.369
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
16 S	4.000	281473913981699	14:32:06	14:35:59	03:53	18.994
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			
17 S	4.000	281473913981699	14:35:32	14:36:45	01:13	44.714
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 3				
	4	Layer 6				
18 S	0.000	281473913981699	14:37:44	14:40:53	03:09	188.997



School name

first row

second row

third row



You need to use "static routing" feature of MikroTik RouterOS.
What is the necessary package you need to install?

	1	System
-	2	Advanced-Tools
	3	Routing
	4	BGP
	5	Hotspot

19 S	4.000	281473913981699	14:40:53	14:41:19	00:26	26.128
Define a routing loop (choose the most precise description)						
	1	Situation where the packet does not reach it's destination				
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	3	Situation where the TTL of the packet expires				
	4	Situation where the packet is routed through the same router twice				

20 S	0.000	281473913981699	14:41:19	14:46:00	04:41	30.978
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	infinite time				
	3	3 years				
-	4	24 hours				

21 S	4.000	281473913981699	14:46:00	14:47:12	01:12	71.758
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	1				
	3	4				
+	4	2				

22 S	0.000	281473913981699	14:47:12	14:49:37	02:25	2.256
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	True				
-	2	False				

23 S	4.000	281473913981699	14:49:07	14:50:33	01:26	55.425
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Another IP has to be added on the PC for Internet access				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Nothing – it will work as before				

24 S	4.000	281473913981699	14:50:33	14:51:47	01:14	74.041
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	DHCP service is not possible in this setup				
	3	every bridge port				
	4	ethernet and wireless interfaces				

25 S	4.000	281473913981699	14:51:47	14:52:13	00:26	26.332
Consider this topology: (192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should be submitted on RA?						
	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672061 name: LARAS APRILIANI user: 1672061 start time: 2018-10-01 13:51:24 end time: 2018-10-01 14:45:17 time: 00:53:53 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 84.000 / 100.000 (84%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981708	13:51:24	13:51:47	00:23	22.862
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	+	1	True			
		2	False			
2 S	4.000	281473913981708	13:51:47	13:51:58	00:11	11.508
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
		1	2			
		2	Unlimited			
	+	3	1			
		4	1024			
3 S	0.000	281473913981708	13:51:58	14:45:17	53:19	2.999
		Define a routing loop (choose the most precise description)				
	-	1	Situation where the packet does not reach it's destination			
		2	Situation where the TTL of the packet expires			
		3	Situation where the packet is routed through the same sequence of routers until the TTL expires			
		4	Situation where the packet is routed through the same router twice			
4 S	4.000	281473913981708	13:57:12	13:57:47	00:35	35.004
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
		1	False			
	+	2	True			
5 M	0.000	281473913981708	13:57:47	14:02:48	05:01	300.729
		When making router configuration export to file which of the statements are true:				
	-	1	Winbox usernames and passwords are backed up			
	+	2	Export file name should be provided			
	+	3	Only full router configuration can be exported			
	+	4	The export file can be edited with a standard text editor after its creation			
6 S	4.000	281473913981708	14:02:48	14:03:17	00:29	29.561
		In order to import a configuration, you do not need to reboot the router				
		1	False			
	+	2	True			
7 S	4.000	281473913981708	14:03:17	14:03:24	00:07	6.17
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
		1	ethernet and wireless interfaces			
		2	DHCP service is not possible in this setup			
	+	3	only on bridge interface			
		4	every bridge port			
8 S	4.000	281473913981708	14:03:24	14:03:43	00:19	19.263
		Which is the default port for IP-WINBOX?				
		1	TCP/8192			
		2	TCP/80			
		3	UDP/8291			
	+	4	TCP/8291			
9 S	4.000	281473913981708	14:03:43	14:31:48	28:05	27.306
		Which route will be used to reach host 192.168.1.55?				



School name

first row

second row

third row



```
/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3
```

	1	Route via gateway 1.1.1.1
	2	Route via gateway 3.3.3.3
+	3	Route via gateway 2.2.2.2

10 S	4.000	281473913981708	14:05:53	14:06:15	00:22	22.675
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	IP Address				
+	2	MAC Address				
	3	802.11g				
	4	VLAN ID				

11 S	4.000	281473913981708	14:06:15	14:07:28	01:13	72.89
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				

12 S	0.000	281473913981708	14:07:28	14:08:34	01:06	65.345
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Another IP has to be added on the PC for Internet access				
	-	Nothing – it will work as before				
	4	MAC-Address of the new card has to be changed to gateway's MAC				

13 M	0.000	281473913981708	14:08:34	14:11:06	02:32	152.414
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.255			
	-	2	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	3	192.169.0.1-192.169.0.254			
	+	4	192.168.0.1-192.168.0.14			

14 S	4.000	281473913981708	14:11:06	14:14:02	02:56	175.079
Which configuration menu should you use to change router's Winbox default port?						
+	1	/ip services				
	2	/system resource				
	3	/ip firewall service-ports				
	4	/ip firewall filter				

15 S	4.000	281473913981708	14:14:02	14:17:24	03:22	201.837
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				

16 S	4.000	281473913981708	14:17:24	14:18:39	01:15	74.918
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	3				
	4	4				

17 S	4.000	281473913981708	14:18:39	14:19:03	00:24	24.635
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			

18 S	4.000	281473913981708	14:19:03	14:23:19	04:16	255.586
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration.						

**School name**

first row

second row

third row



In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

19 S	4.000	281473913981708	14:23:19	14:25:15	01:56	115.813
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	1	Routing				
+	2	System				
	3	Advanced-Tools				
	4	Hotspot				
	5	BGP				

20 S	4.000	281473913981708	14:25:15	14:25:44	00:29	28.405
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+	1	No extra package required				
	2	Routing				
	3	DHCP				
	4	Advanced-tools				

21 S	4.000	281473913981708	14:25:44	14:27:41	01:57	117.689
Which of the protocols below is used by Netinstall?						
	1	DHCP				
	2	ARP				
+	3	BOOTP				
	4	RARP				

22 S	4.000	281473913981708	14:27:41	14:28:19	00:38	37.605
What kind of users are listed in the "/user" menu?						
	1	wireless users				
+	2	router users				
	3	hotspot users				
	4	pptp users				

23 M	4.000	281473913981708	14:28:19	14:29:46	01:27	86.935
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	direct - acknowledge - backup				
+	3	dynamic - active - bgp				
+	4	direct - active - bgp				

24 S	4.000	281473913981708	14:29:46	14:29:50	00:04	3.567
MAC Address defined in ... of OSI Model						
	1	Layer 7				
	2	Layer 6				
+	3	Layer 2				
	4	Layer 3				

25 S	4.000	281473913981708	14:29:50	14:30:27	00:37	36.794
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	Active route via both gateway				
	2	No active route				
+	3	Active route via gateway 10.10.10.20				
	4	Active route via gateway 10.10.10.10				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-10-01 13:51:54 end time: 2018-10-01 14:35:53 time: 00:43:59 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 84.000 / 100.000 (84%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981697	13:51:54	13:52:57	01:03	62.839
-----	-------	-----------------	----------	----------	-------	--------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

<input type="checkbox"/>	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
<input type="checkbox"/>	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
<input type="checkbox"/>	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
<input checked="" type="checkbox"/>	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1

2 S	4.000	281473913981697	13:52:57	14:32:40	39:43	354.407
-----	-------	-----------------	----------	----------	-------	---------

For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

<input type="checkbox"/>	1	DHCP
<input type="checkbox"/>	2	Advanced-tools
<input checked="" type="checkbox"/>	3	No extra package required
<input type="checkbox"/>	4	Routing

3 S	4.000	281473913981697	13:53:34	13:53:49	00:15	15.83
-----	-------	-----------------	----------	----------	-------	-------

MAC Address defined in ... of OSI Model

<input type="checkbox"/>	1	Layer 6
<input type="checkbox"/>	2	Layer 3
<input type="checkbox"/>	3	Layer 7
<input checked="" type="checkbox"/>	4	Layer 2

4 M	4.000	281473913981697	13:53:49	13:55:06	01:17	76.617
-----	-------	-----------------	----------	----------	-------	--------

When making router configuration export to file which of the statements are true:

<input checked="" type="checkbox"/>	1	Winbox usernames and passwords are backed up
<input checked="" type="checkbox"/>	2	The export file can be edited with a standard text editor after its creation
<input checked="" type="checkbox"/>	3	Export file name should be provided
<input checked="" type="checkbox"/>	4	Only full router configuration can be exported

5 S	4.000	281473913981697	13:55:06	13:56:32	01:26	85.82
-----	-------	-----------------	----------	----------	-------	-------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

<input checked="" type="checkbox"/>	1	only on bridge interface
<input type="checkbox"/>	2	ethernet and wireless interfaces
<input type="checkbox"/>	3	DHCP service is not possible in this setup
<input type="checkbox"/>	4	every bridge port

6 S	0.000	281473913981697	13:56:32	14:25:09	28:37	171.856
-----	-------	-----------------	----------	----------	-------	---------

When adding a static route, you must always ensure that you add both the gateway and the interface.

<input type="checkbox"/>	1	False
<input checked="" type="checkbox"/>	2	True

7 S	4.000	281473913981697	13:59:15	14:00:40	01:25	84.554
-----	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(10.1.1.0/24)**R1**(172.16.0.1) --- (172.16.0.2)**R2**(172.30.10.1) --- (172.30.10.2)**R3**(192.168.10.0/24)



School name

first row

second row

third row



Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

+	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2

8 S	4.000	281473913981697	14:00:40	14:22:14	21:34	98.943
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	802.11g				
	2	VLAN ID				
	3	IP Address				
+	4	MAC Address				

9 S	4.000	281473913981697	14:01:46	14:02:52	01:06	65.893
Which configuration menu should you use to change router's Winbox default port?						
	1	/ip firewall filter				
	2	/system resource				
+	3	/ip services				
	4	/ip firewall service-ports				

10 S	4.000	281473913981697	14:02:52	14:03:35	00:43	42.988
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				

11 S	4.000	281473913981697	14:03:35	14:03:52	00:17	17.075
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				

12 S	0.000	281473913981697	14:03:52	14:35:05	31:13	72.502
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	1	BGP				
	2	Routing				
-	3	Advanced-Tools				
	4	Hotspot				
	5	System				

13 M	4.000	281473913981697	14:05:19	14:35:53	30:34	46.521
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
+	1	dhcp				
+	2	routing				
+	3	wireless				
+	4	advanced-tools				
+	5	system				

14 S	4.000	281473913981697	14:07:48	14:08:59	01:11	71.292
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	2	Write a script in 'system script' to set the clock.				
	3	Configure '/system ntp server' and set a valid and reachable NTP client address.				
	4	Open the router and ensure the CMOS battery is fine.				

15 S	0.000	281473913981697	14:08:59	14:10:49	01:50	109.706
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
-	2	Nothing – it will work as before				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				

16 S	4.000	281473913981697	14:10:49	14:11:07	00:18	17.788
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				



School name

first row

second row

third row



	2	Unlimited
	3	2
	4	1024

17 S	4.000	281473913981697	14:11:07	14:12:18	01:11	70.444
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	4				
	4	3				

18 M	0.000		281473913981697		14:12:18		14:12:57		00:39		39.022	
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:												
+		1	192.168.0.1-192.168.0.255									
-		2	192.168.0.1-192.168.0.14									
+		3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254									
+		4	192.169.0.1-192.169.0.254									

19 M	4.000	281473913981697	14:12:57	14:13:21	00:24	23.787
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	direct - active - bgp				
+	3	direct - acknowledge - backup				
+	4	dynamic - active - bgp				

20 S	4.000	281473913981697	14:13:21	14:14:00	00:39	38.868
What you cannot do with NETINSTALL?						
	1	Reinstalling RouterOS				
	2	Reset the whole configuration of RouterOS				
+	3	Reset RouterOS password while maintaining the previous configuration				

21 S	4.000	281473913981697	14:14:00	14:14:47	00:47	47.038
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			

22 S	4.000	281473913981697	14:14:47	14:15:24	00:37	36.609
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	No active route				
+	2	Active route via gateway 10.10.10.20				
	3	Active route via gateway 10.10.10.10				
	4	Active route via both gateway				

23 S	4.000	281473913981697	14:15:24	14:17:15	01:51	110.98
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
	2	On 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				

24 S	4.000	281473913981697	14:17:15	14:18:01	00:46	46.042
What kind of users are listed in the "/user" menu?						
	1	hotspot users				
+	2	router users				
	3	pptp users				
	4	wireless users				

25 S	4.000	281473913981697	14:18:01	14:18:42	00:41	40.659
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472051 name: RENDY HERMANTO user: 1472051 start time: 2018-10-01 13:51:07 end time: 2018-10-01 14:32:20 time: 00:41:13 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 88.000 / 100.000 (88%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981726	13:51:07	13:51:12	00:05	5.206
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	1	Unlimited				
	2	2				
	3	1024				
	+	4	1			

2 S	4.000	281473913981726	13:51:35	13:52:13	00:38	37.956
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
		3	Nothing – it will work as before			
		4	Another IP has to be added on the PC for Internet access			

3 S	4.000	281473913981726	13:52:14	13:56:22	04:08	4.525
		When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:				
	+	1	2			
		2	1			
		3	4			
		4	3			

4 S	4.000	281473913981726	13:56:23	13:57:40	01:17	77.709
		Which is the default port for IP-WINBOX?				
		1	TCP/8192			
		2	UDP/8291			
		3	TCP/80			
	+	4	TCP/8291			

5 S	0.000	281473913981726	13:57:41	14:00:00	02:19	139.185
		Which route will be used to reach host 192.168.1.55?				
		/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	-	1	Route via gateway 1.1.1.1			
		2	Route via gateway 2.2.2.2			
		3	Route via gateway 3.3.3.3			

6 M	4.000	281473913981726	14:00:01	14:03:29	03:28	9.544
		Mark correct statements.				
	+	1	Backup files are editable			
	+	2	Backup files are not editable			
	+	3	Export files are not editable			

7 S	0.000	281473913981726	14:03:30	14:03:59	00:29	29.239
		DHCP server can serve clients without using IP address pool.				
		1	True			
	-	2	False			

8 S	4.000	281473913981726	14:04:00	14:04:24	00:24	23.641
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
		1	every bridge port			



School name

first row
second row
third row



	2	DHCP service is not possible in this setup				
	3	ethernet and wireless interfaces				
+	4	only on bridge interface				
9 S	4.000	281473913981726	14:04:24	14:29:51	25:27	2.176
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
10 M	4.000	281473913981726	14:07:02	14:12:15	05:13	313.221
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
+	1	192.169.0.1-192.169.0.254				
+	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.255				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
11 S	4.000	281473913981726	14:12:16	14:14:12	01:56	115.555
		Consider this topology: (192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should submitted on RA?				
	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
12 M	4.000	281473913981726	14:14:12	14:14:34	00:22	21.847
		In the Route List, the identification DAB for a route stands for				
+	1	dynamic - active - bgp				
+	2	direct - acknowledge - backup				
+	3	direct - active - bgp				
+	4	dynamic - active - backup				
13 S	4.000	281473913981726	14:14:35	14:16:13	01:38	98.424
		Which configuration menu should you use to change router's Winbox default port?				
	1	/ip firewall service-ports				
+	2	/ip services				
	3	/ip firewall filter				
	4	/system resource				
14 S	4.000	281473913981726	14:16:14	14:16:30	00:16	16.12
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	1	False				
+	2	True				
15 S	4.000	281473913981726	14:16:31	14:18:26	01:55	115.164
		In order to import a configuration, you do not need to reboot the router				
	1	False				
+	2	True				
16 S	4.000	281473913981726	14:18:27	14:19:13	00:46	45.826
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
+	1	True				
	2	False				
17 S	4.000	281473913981726	14:19:15	14:20:44	01:29	9.881
		MAC Address defined in ... of OSI Model				
+	1	Layer 2				
	2	Layer 3				
	3	Layer 7				
	4	Layer 6				
18 S	4.000	281473913981726	14:20:45	14:23:43	02:58	177.937
		Define a routing loop (choose the most precise description)				

**School name**

first row

second row

third row



	1	Situation where the packet does not reach it's destination
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires
	3	Situation where the packet is routed through the same router twice
	4	Situation where the TTL of the packet expires

19 S	4.000	281473913981726	14:23:44	14:24:10	00:26	25.735
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	+	1	False			
		2	True			

20 S	0.000	281473913981726	14:24:10	14:25:50	01:40	100.225
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	-	1	Routing			
		2	System			
		3	BGP			
		4	Hotspot			
		5	Advanced-Tools			

21 S	4.000	281473913981726	14:25:51	14:30:20	04:29	1.884
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
		1	IP Address			
	+	2	MAC Address			
		3	802.11g			
		4	VLAN ID			

22 S	4.000	281473913981726	14:27:38	14:29:07	01:29	89.819
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
	+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			

23 S	4.000	281473913981726	14:29:08	14:31:03	01:55	41.32
Which packages are mandatory required to create a Wireless Access Point?						
		1	DHCP			
		2	Routing			
		3	Advanced-tools			
	+	4	Wireless			

24 S	4.000	281473913981726	14:31:04	14:31:46	00:42	42.172
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			

25 M	4.000	281473913981726	14:31:47	14:32:20	00:33	33.476
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Connected			
	+	2	Dynamic,Active,Console			
	+	3	Direct,Available,Connected			
	+	4	Dynamic,Available,Created			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1472079
name: JUNIATER SIMBOLON
user: 1472079
start time: 2018-10-01 13:51:33
end time: 2018-10-01 14:27:10
time: 00:35:37
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 88.000 / 100.000 (88%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981715	13:51:33	13:52:06	00:33	33.595
		What you cannot do with NETINSTALL?				
	+	1	Reset RouterOS password while maintaining the previous configuration			
		2	Reset the whole configuration of RouterOS			
		3	Reinstalling RouterOS			
2 M	0.000	281473913981715	13:52:07	14:22:57	30:50	132.481
		DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:				
	+	1	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	2	192.168.0.1-192.168.0.14			
	+	3	192.169.0.1-192.169.0.254			
	+	4	192.168.0.1-192.168.0.255			
3 S	4.000	281473913981715	13:52:38	13:53:57	01:19	78.53
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
		3	Another IP has to be added on the PC for Internet access			
		4	Nothing – it will work as before			
4 S	4.000	281473913981715	13:54:00	13:54:35	00:35	34.456
		Which configuration menu should you use to change router's Winbox default port?				
		1	/ip firewall filter			
		2	/system resource			
	+	3	/ip services			
		4	/ip firewall service-ports			
5 S	4.000	281473913981715	13:54:36	13:55:20	00:44	43.602
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	+	1	On 'br-lan'			
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
		4	On 'wlan1'			
6 S	4.000	281473913981715	13:55:21	14:23:29	28:08	28.452
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
		1	True			
	+	2	False			
7 S	4.000	281473913981715	13:57:32	13:57:59	00:27	27.514
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	IP Address			
		2	802.11g			
		3	VLAN ID			
	+	4	MAC Address			
8 S	4.000	281473913981715	13:58:01	13:58:25	00:24	24.529
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
	+	1	False			
		2	True			



School name

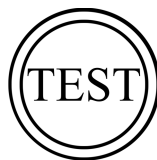
first row

second row

third row



9 S	4.000	281473913981715	13:58:28	13:59:11	00:43	43.14
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				
10 S	4.000	281473913981715	13:59:12	13:59:38	00:26	25.521
DHCP server can serve clients without using IP address pool.						
+	1	True				
	2	False				
11 S	0.000	281473913981715	13:59:39	14:17:06	17:27	16.729
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
-	1	False				
	2	True				
12 M	4.000	281473913981715	14:00:22	14:24:33	24:11	54.815
In the Route List, the identification DAb for a route stands for						
+	1	direct - active - bgp				
+	2	dynamic - active - backup				
+	3	direct - acknowledge - backup				
+	4	dynamic - active - bgp				
13 M	4.000	281473913981715	14:00:56	14:24:57	24:01	23.776
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Connected				
+	2	Dynamic,Available,Created				
+	3	Direct,Available,Connected				
+	4	Dynamic,Active,Console				
14 S	4.000	281473913981715	14:01:27	14:25:44	24:17	45.799
Which is the default port for IP-WINBOX?						
	1	UDP/8291				
+	2	TCP/8291				
	3	TCP/8192				
	4	TCP/80				
15 S	4.000	281473913981715	14:02:11	14:02:29	00:18	17.578
How long does Level 1 (FREE) license can be used?						
	1	1 month				
	2	24 hours				
+	3	infinite time				
	4	3 years				
16 S	4.000	281473913981715	14:02:30	14:03:01	00:31	30.881
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
	1	DHCP				
+	2	No extra package required				
	3	Routing				
	4	Advanced-tools				
17 S	4.000	281473913981715	14:03:03	14:03:27	00:24	24.192
MAC Address defined in ... of OSI Model						
	1	Layer 3				
	2	Layer 7				
	3	Layer 6				
+	4	Layer 2				
18 S	4.000	281473913981715	14:03:28	14:04:27	00:59	59.079
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
	1	No active route				
	2	Active route via both gateway				
	3	Active route via gateway 10.10.10.10				
+	4	Active route via gateway 10.10.10.20				
19 S	4.000	281473913981715	14:04:29	14:26:16	21:47	27.012
Which of the protocols below is used by Netinstall?						

**School name**

first row

second row

third row



+	1	BOOTP
	2	ARP
	3	DHCP
	4	RARP

20 S	4.000	281473913981715	14:05:39	14:06:53	01:14	73.635
Define a routing loop (choose the most precise description)						
+	1	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	2	Situation where the packet is routed through the same router twice				
	3	Situation where the TTL of the packet expires				
	4	Situation where the packet does not reach it's destination				

21 S	4.000	281473913981715	14:06:54	14:07:16	00:22	21.475
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	Unlimited				
+	3	1				
	4	1024				

22 S	4.000	281473913981715	14:07:18	14:08:07	00:49	49.016
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
+	2	only on bridge interface				
	3	DHCP service is not possible in this setup				
	4	ethernet and wireless interfaces				

23 M	0.000	281473913981715	14:08:08	14:26:37	18:29	18.002
When making router configuration export to file which of the statements are true:						
-	1	Export file name should be provided				
+	2	Only full router configuration can be exported				
-	3	Winbox usernames and passwords are backed up				
-	4	The export file can be edited with a standard text editor after its creation				

24 S	4.000	281473913981715	14:08:48	14:27:10	18:22	31.856
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 3.3.3.3				

25 S	4.000	281473913981715	14:09:51	14:10:35	00:44	43.38
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572042 name: Syafirafitri Anwar user: 1572042 start time: 2018-10-01 13:50:58 end time: 2018-10-01 14:25:46 time: 00:34:48 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 88.000 / 100.000 (88%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 M	4.000	281473913981710	13:50:58	13:56:33	05:35	334.804
-----	-------	-----------------	----------	----------	-------	---------

When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:

+	1	Dynamic,Active,Connected
+	2	Direct,Available,Connected
+	3	Dynamic,Available,Created
+	4	Dynamic,Active,Console

2 S	4.000	281473913981710	13:56:37	14:00:26	03:49	228.482
-----	-------	-----------------	----------	----------	-------	---------

A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?

+	1	On 'br-lan'
	2	On 'wlan1'
	3	On both 'br-lan' and 'wlan1'
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'

3 S	4.000	281473913981710	14:00:29	14:01:50	01:21	81.344
-----	-------	-----------------	----------	----------	-------	--------

Which route will be used to reach host 192.168.1.55?

/ip route
 add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 3.3.3.3
+	2	Route via gateway 2.2.2.2
	3	Route via gateway 1.1.1.1

4 S	0.000	281473913981710	14:01:52	14:04:33	02:41	157.188
-----	-------	-----------------	----------	----------	-------	---------

Which default route will be active?

/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10
 /ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20

	1	Active route via both gateway
	2	Active route via gateway 10.10.10.20
-	3	Active route via gateway 10.10.10.10
	4	No active route

5 S	0.000	281473913981710	14:04:34	14:06:16	01:42	102.107
-----	-------	-----------------	----------	----------	-------	---------

Consider this topology:

(10.1.1.0/24)R1(172.16.0.1) --- (172.16.0.2)R2(172.30.10.1) --- (172.30.10.2)R3(192.168.10.0/24)

Assume that R2 and R3 has been configured for proper static routing configuration.

In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?

-	1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1

6 S	4.000	281473913981710	14:06:17	14:08:03	01:46	106.051
-----	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

+	1	True
	2	False

7 S	4.000	281473913981710	14:08:05	14:09:28	01:23	83.758
-----	-------	-----------------	----------	----------	-------	--------

When sending out an ARP request, an IP host is expecting what kind of address for an answer?

	1	IP Address
--	---	------------



School name

first row

second row

third row



+	2	MAC Address
	3	VLAN ID
	4	802.11g

8 S	4.000	281473913981710	14:09:30	14:10:19	00:49	49.505
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	4				
	2	1				
	3	3				
+	4	2				

9 S	4.000	281473913981710	14:10:20	14:11:09	00:49	48.848
How long does Level 1 (FREE) license can be used?						
	1	1 month				
+	2	infinite time				
	3	24 hours				
	4	3 years				

10 S	4.000	281473913981710	14:11:11	14:11:58	00:47	47.16
Which of the protocols below is used by Netinstall?						
+	1	BOOTP				
	2	DHCP				
	3	ARP				
	4	RARP				

11 S	4.000	281473913981710	14:11:59	14:12:29	00:30	30.024
MAC Address defined in ... of OSI Model						
	1	Layer 7				
	2	Layer 3				
+	3	Layer 2				
	4	Layer 6				

12 S	4.000	281473913981710	14:12:30	14:13:03	00:33	32.531
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	+	1	False			
		2	True			

13 S	4.000	281473913981710	14:13:04	14:13:50	00:46	45.531
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
	1	False				
+	2	True				

14 S	4.000	281473913981710	14:13:52	14:14:35	00:43	43.067
It's impossible to remove user "admin" from "/user"						
	1	True				
+	2	False				

15 S	4.000	281473913981710	14:14:38	14:15:14	00:36	35.813
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
+	1	1				
	2	Unlimited				
	3	1024				
	4	2				

16 S	4.000	281473913981710	14:15:17	14:17:04	01:47	106.661
Consider this topology:						
(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should submitted on RA?						
+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				

17 S	4.000	281473913981710	14:17:05	14:17:32	00:27	27.066
What kind of users are listed in the "/user" menu?						
+	1	router users				
	2	wireless users				
	3	hotspot users				
	4	pptp users				



School name

first row

second row

third row



18 S	4.000	281473913981710	14:17:33	14:18:22	00:49	48.893
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	+	1	False			
		2	True			
19 S	4.000	281473913981710	14:18:24	14:19:02	00:38	38.205
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
		1	Routing			
		2	Advanced-tools			
	+	3	No extra package required			
		4	DHCP			
20 S	4.000	281473913981710	14:19:04	14:20:08	01:04	64.424
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			
21 S	4.000	281473913981710	14:20:09	14:20:54	00:45	45.238
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface			
		2	every bridge port			
		3	DHCP service is not possible in this setup			
		4	ethernet and wireless interfaces			
22 S	4.000	281473913981710	14:20:56	14:22:56	02:00	119.76
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
		1	False			
	+	2	True			
23 M	0.000	281473913981710	14:22:58	14:24:18	01:20	80.163
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	-	1	192.168.0.1-192.168.0.14			
	-	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	-	4	192.168.0.1-192.168.0.255			
24 S	4.000	281473913981710	14:24:20	14:25:06	00:46	46.511
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	+	1	True			
		2	False			
25 S	4.000	281473913981710	14:25:08	14:25:46	00:38	38.756
Which packages are mandatory required to create a Wireless Access Point?						
		1	DHCP			
	+	2	Wireless			
		3	Advanced-tools			
		4	Routing			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672035
 name: NURUL AFIANY
 user: 1672035
 start time: 2018-10-01 13:51:20
 end time: 2018-10-01 14:47:53
 time: 00:56:33
 correct: (0%)
 wrong: (0%)
 unanswered: (0%)
 undisplayed: (0%)
 points: 88.000 / 100.000 (88%)

(Reg Ganjil 2018-2019) MTCNA: Quiz 1

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]															
1 S	4.000	281473913981713	13:51:20	13:54:39	03:19	14.993															
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.																					
<table><tr><td>+</td><td>1</td><td>True</td></tr><tr><td></td><td>2</td><td>False</td></tr></table>							+	1	True		2	False									
+	1	True																			
	2	False																			
2 M	4.000	281473913981713	13:52:27	13:53:52	01:25	84.548															
Mark correct statements.																					
<table><tr><td>+</td><td>1</td><td>Backup files are editable</td></tr><tr><td>+</td><td>2</td><td>Export files are not editable</td></tr><tr><td>+</td><td>3</td><td>Backup files are not editable</td></tr></table>							+	1	Backup files are editable	+	2	Export files are not editable	+	3	Backup files are not editable						
+	1	Backup files are editable																			
+	2	Export files are not editable																			
+	3	Backup files are not editable																			
3 S	4.000	281473913981713	13:53:52	14:01:01	07:09	32.224															
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?																					
<table><tr><td></td><td>1</td><td>Routing</td></tr><tr><td></td><td>2</td><td>Advanced-Tools</td></tr><tr><td></td><td>3</td><td>Hotspot</td></tr><tr><td>+</td><td>4</td><td>System</td></tr><tr><td></td><td>5</td><td>BGP</td></tr></table>								1	Routing		2	Advanced-Tools		3	Hotspot	+	4	System		5	BGP
	1	Routing																			
	2	Advanced-Tools																			
	3	Hotspot																			
+	4	System																			
	5	BGP																			
4 S	4.000	281473913981713	13:57:40	14:46:29	48:49	99.192															
Define a routing loop (choose the most precise description)																					
<table><tr><td></td><td>1</td><td>Situation where the TTL of the packet expires</td></tr><tr><td></td><td>2</td><td>Situation where the packet does not reach it's destination</td></tr><tr><td>+</td><td>3</td><td>Situation where the packet is routed through the same sequence of routers until the TTL expires</td></tr><tr><td></td><td>4</td><td>Situation where the packet is routed through the same router twice</td></tr></table>								1	Situation where the TTL of the packet expires		2	Situation where the packet does not reach it's destination	+	3	Situation where the packet is routed through the same sequence of routers until the TTL expires		4	Situation where the packet is routed through the same router twice			
	1	Situation where the TTL of the packet expires																			
	2	Situation where the packet does not reach it's destination																			
+	3	Situation where the packet is routed through the same sequence of routers until the TTL expires																			
	4	Situation where the packet is routed through the same router twice																			
5 S	4.000	281473913981713	14:02:11	14:06:06	03:55	235.145															
Which route will be used to reach host 192.168.1.55?																					
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3																					
<table><tr><td>+</td><td>1</td><td>Route via gateway 2.2.2.2</td></tr><tr><td></td><td>2</td><td>Route via gateway 3.3.3.3</td></tr><tr><td></td><td>3</td><td>Route via gateway 1.1.1.1</td></tr></table>							+	1	Route via gateway 2.2.2.2		2	Route via gateway 3.3.3.3		3	Route via gateway 1.1.1.1						
+	1	Route via gateway 2.2.2.2																			
	2	Route via gateway 3.3.3.3																			
	3	Route via gateway 1.1.1.1																			
6 S	4.000	281473913981713	14:06:06	14:06:26	00:20	20.08															
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?																					
<table><tr><td></td><td>1</td><td>Nothing – it will work as before</td></tr><tr><td></td><td>2</td><td>Another IP has to be added on the PC for Internet access</td></tr><tr><td>+</td><td>3</td><td>Old static ARP entry on MikroTik Router has to be updated for the new card's MAC</td></tr><tr><td></td><td>4</td><td>MAC-Address of the new card has to be changed to gateway's MAC</td></tr></table>								1	Nothing – it will work as before		2	Another IP has to be added on the PC for Internet access	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC		4	MAC-Address of the new card has to be changed to gateway's MAC			
	1	Nothing – it will work as before																			
	2	Another IP has to be added on the PC for Internet access																			
+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC																			
	4	MAC-Address of the new card has to be changed to gateway's MAC																			
7 S	4.000	281473913981713	14:06:26	14:09:48	03:22	159.737															
What kind of users are listed in the "/user" menu?																					
<table><tr><td></td><td>1</td><td>hotspot users</td></tr><tr><td></td><td>2</td><td>wireless users</td></tr><tr><td></td><td>3</td><td>pptp users</td></tr><tr><td>+</td><td>4</td><td>router users</td></tr></table>								1	hotspot users		2	wireless users		3	pptp users	+	4	router users			
	1	hotspot users																			
	2	wireless users																			
	3	pptp users																			
+	4	router users																			



School name

first row

second row

third row



8 S	4.000	281473913981713	14:09:48	14:12:02	02:14	133.53
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	1	True				
+	2	False				
9 S	4.000	281473913981713	14:12:02	14:12:43	00:41	41.419
Which configuration menu should you use to change router's Winbox default port?						
	1	/system resource				
	2	/ip firewall filter				
+	3	/ip services				
	4	/ip firewall service-ports				
10 S	4.000	281473913981713	14:12:43	14:13:57	01:14	73.723
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 6				
	3	Layer 7				
	4	Layer 3				
11 M	4.000	281473913981713	14:13:57	14:18:45	04:48	287.878
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Connected				
+	2	Dynamic,Active,Console				
+	3	Direct,Available,Connected				
+	4	Dynamic,Available,Created				
12 S	4.000	281473913981713	14:18:45	14:22:10	03:25	205.003
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	1024				
	3	Unlimited				
+	4	1				
13 S	4.000	281473913981713	14:22:12	14:22:48	00:36	36.539
When adding a static route, you must always ensure that you add both the gateway and the interface.						
+	1	False				
	2	True				
14 M	0.000	281473913981713	14:22:48	14:23:43	00:55	54.34
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.169.0.1-192.169.0.254				
+	2	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	3	192.168.0.1-192.168.0.255				
-	4	192.168.0.1-192.168.0.14				
15 M	4.000	281473913981713	14:23:43	14:24:31	00:48	47.674
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
+	1	wireless				
+	2	dhcp				
+	3	system				
+	4	advanced-tools				
+	5	routing				
16 S	4.000	281473913981713	14:24:31	14:24:53	00:22	22.722
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
+	2	2				
	3	3				
	4	4				
17 S	0.000	281473913981713	14:24:53	14:29:11	04:18	257.603
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
-	1	IP Address				
	2	MAC Address				
	3	VLAN ID				
	4	802.11g				
18 S	4.000	281473913981713	14:29:11	14:30:45	01:34	93.996
Consider this topology:						
(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)						



School name

first row

second row

third row



Static routing on RB has been properly configured.
Which configuration should be submitted on RA?

	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2

19 S	4.000	281473913981713	14:30:45	14:31:17	00:32	31.688
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
	1	DHCP				
	2	Advanced-tools				
	3	Routing				
+	4	No extra package required				

20 S	4.000	281473913981713	14:31:17	14:32:00	00:43	42.479
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				

21 M	0.000	281473913981713	14:32:00	14:47:53	15:53	68.825
When making router configuration export to file which of the statements are true:						
-	1	Winbox usernames and passwords are backed up				
+	2	Only full router configuration can be exported				
+	3	The export file can be edited with a standard text editor after its creation				
-	4	Export file name should be provided				

22 S	4.000	281473913981713	14:34:37	14:39:37	05:00	100.574
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
+	1	On 'br-lan'				
	2	On both 'br-lan' and 'wlan1'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

23 S	4.000	281473913981713	14:36:30	14:37:12	00:42	41.992
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				

24 S	4.000	281473913981713	14:37:12	14:37:27	00:15	14.649
DHCP server can serve clients without using IP address pool.						
+	1	True				
	2	False				

25 S	4.000	281473913981713	14:37:27	14:37:54	00:27	27.686
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	ethernet and wireless interfaces				
	3	every bridge port				
	4	DHCP service is not possible in this setup				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572017 name: PRICILLIA CLAUDIA ALFO user: 1572017 start time: 2018-10-01 13:50:58 end time: 2018-10-01 14:31:35 time: 00:40:37 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	4.000	281473913981709	13:50:58	13:52:59	02:01	120.02
		In the Route List, the identification DAb for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - acknowledge - backup			
	+	4	direct - active - bgp			
2 S	4.000	281473913981709	13:52:59	14:30:40	37:41	20.789
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	IP Address			
		2	VLAN ID			
	+	3	MAC Address			
		4	802.11g			
3 S	4.000	281473913981709	13:54:14	13:55:35	01:21	80.238
		How long does Level 1 (FREE) license can be used?				
		1	1 month			
	+	2	infinite time			
		3	24 hours			
		4	3 years			
4 S	4.000	281473913981709	13:55:35	13:56:13	00:38	38.014
		MAC Address defined in ... of OSI Model				
		1	Layer 7			
	+	2	Layer 2			
		3	Layer 6			
		4	Layer 3			
5 M	4.000	281473913981709	13:56:13	14:30:17	34:04	58.171
		Select minimal set of software packages in RouterOS required to configuring a wireless AP				
	+	1	wireless			
	+	2	advanced-tools			
	+	3	system			
	+	4	dhcp			
	+	5	routing			
6 S	4.000	281473913981709	13:59:29	14:30:52	31:23	3.901
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'			
		2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
	+	4	On 'br-lan'			
7 S	4.000	281473913981709	14:00:46	14:01:27	00:41	41.683
		If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.				
	+	1	False			
		2	True			
8 S	4.000	281473913981709	14:01:27	14:02:39	01:12	71.47
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
		1	True			
	+	2	False			
9 S	4.000	281473913981709	14:02:39	14:03:08	00:29	28.823
		A router has wireless and ethernet client interfaces, all client interfaces are bridged.				



School name

first row

second row

third row



To create a DHCP service for all clients you must configure DHCP server on ...

	1	every bridge port
	2	DHCP service is not possible in this setup
+	3	only on bridge interface
	4	ethernet and wireless interfaces

10 M	4.000	281473913981709	14:03:08	14:31:29	28:21	32.92
------	-------	-----------------	----------	----------	-------	-------

When making router configuration export to file which of the statements are true:

+	1	Export file name should be provided
+	2	Winbox usernames and passwords are backed up
+	3	Only full router configuration can be exported
+	4	The export file can be edited with a standard text editor after its creation

11 S	4.000	281473913981709	14:05:55	14:06:50	00:55	55.048
------	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should be submitted on RA?

	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1
+	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2

12 S	0.000	281473913981709	14:06:50	14:31:35	24:45	4.558
------	-------	-----------------	----------	----------	-------	-------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
-	3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1

13 S	4.000	281473913981709	14:07:35	14:08:16	00:41	40.41
------	-------	-----------------	----------	----------	-------	-------

RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.

	1	False
+	2	True

14 S	4.000	281473913981709	14:08:16	14:11:11	02:55	175.616
------	-------	-----------------	----------	----------	-------	---------

DHCP server can serve clients without using IP address pool.

	1	False
+	2	True

15 S	4.000	281473913981709	14:11:11	14:11:57	00:46	45.155
------	-------	-----------------	----------	----------	-------	--------

Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only.

A PC with IP 192.168.1.2 can access internet.

When the PC Ethernet Card failed, the user change it with new card and set the same IP for it.

What else should be done to keep Internet connection work for this PC?

	1	Nothing – it will work as before
	2	Another IP has to be added on the PC for Internet access
	3	MAC-Address of the new card has to be changed to gateway's MAC
+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC

16 S	4.000	281473913981709	14:11:57	14:12:29	00:32	32.306
------	-------	-----------------	----------	----------	-------	--------

When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:

	1	4
+	2	2
	3	1
	4	3

17 S	4.000	281473913981709	14:12:29	14:28:37	16:08	122.539
------	-------	-----------------	----------	----------	-------	---------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

+	1	1
---	---	---



School name

first row
second row
third row



	2	2
	3	1024
	4	Unlimited

18 S	4.000	281473913981709	14:13:55	14:16:49	02:54	174.203
Which is the default port for IP-WINBOX?						
	+	1	TCP/8291			
		2	TCP/80			
		3	TCP/8192			
		4	UDP/8291			

19 S	4.000	281473913981709	14:16:49	14:17:41	00:52	52.227
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	+	1	True			
		2	False			

20 S	4.000	281473913981709	14:17:41	14:26:32	08:51	124.759
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
		1	Configure '/system ntp server' and set a valid and reachable NTP client address.			
	+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		3	Write a script in 'system script' to set the clock.			
		4	Open the router and ensure the CMOS battery is fine.			

21 S	4.000	281473913981709	14:19:13	14:19:37	00:24	23.57
What you cannot do with NETINSTALL?						
		1	Reinstalling RouterOS			
		2	Reset the whole configuration of RouterOS			
	+	3	Reset RouterOS password while maintaining the previous configuration			

22 S	4.000	281473913981709	14:19:37	14:21:00	01:23	82.378
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration. In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
		1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
		2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1			
		3	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1			
	+	4	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2			

23 S	4.000	281473913981709	14:21:00	14:21:52	00:52	52.318
When adding a static route, you must always ensure that you add both the gateway and the interface.						
	+	1	False			
		2	True			

24 M	4.000	281473913981709	14:21:52	14:23:13	01:21	81.181
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
	+	1	Dynamic,Active,Console			
	+	2	Dynamic,Active,Connected			
	+	3	Direct,Available,Connected			
	+	4	Dynamic,Available,Created			

25 M	4.000	281473913981709	14:23:13	14:24:17	01:04	63.144
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.14			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1572030 name: ANDIKA MULYAWAN DWI PR user: 1572030 start time: 2018-10-01 13:51:32 end time: 2018-10-01 14:11:10 time: 00:19:38 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
---	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981711	13:51:32	13:51:57	00:25	25.112
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	1	Routing				
	2	Advanced-tools				
+	3	No extra package required				
	4	DHCP				
2 M	4.000	281473913981711	13:51:57	13:52:26	00:29	29.165
		Mark correct statements.				
+	1	Backup files are editable				
+	2	Export files are not editable				
+	3	Backup files are not editable				
3 S	4.000	281473913981711	13:52:26	13:52:49	00:23	22.944
		A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...				
	1	ethernet and wireless interfaces				
	2	every bridge port				
+	3	only on bridge interface				
	4	DHCP service is not possible in this setup				
4 S	4.000	281473913981711	13:52:49	13:53:12	00:23	22.928
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
	1	True				
+	2	False				
5 S	4.000	281473913981711	13:53:12	14:11:10	17:58	23.553
		Which packages are mandatory required to create a Wireless Access Point?				
	1	DHCP				
	2	Advanced-tools				
	3	Routing				
+	4	Wireless				
6 S	4.000	281473913981711	13:53:21	14:10:47	17:26	22.066
		It's impossible to remove user "admin" from "/user"				
+	1	False				
	2	True				
7 S	4.000	281473913981711	13:53:32	13:53:54	00:22	22.295
		How many wireless clients can connect, when wireless card is configured to mode=bridge?				
+	1	1				
	2	Unlimited				
	3	1024				
	4	2				
8 S	0.000	281473913981711	13:53:54	13:54:04	00:10	9.791
		DHCP server can serve clients without using IP address pool.				
	1	True				
-	2	False				
9 S	4.000	281473913981711	13:54:04	13:54:36	00:32	31.866
		Consider this topology:				
		(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)				
		Static routing on RB has been properly configured.				



School name

first row

second row

third row



Which configuration should submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
10 S	4.000	281473913981711	13:54:36	13:54:52	00:16	15.154
In order to import a configuration, you do not need to reboot the router						
+	1	True				
	2	False				
11 S	4.000	281473913981711	13:54:52	13:55:35	00:43	43.66
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
+	1	True				
	2	False				
12 S	4.000	281473913981711	13:55:35	13:55:55	00:20	4.495
What kind of users are listed in the "/user" menu?						
	1	wireless users				
+	2	router users				
	3	pptp users				
	4	hotspot users				
13 S	4.000	281473913981711	13:55:49	14:07:20	11:31	33.746
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
+	1	True				
	2	False				
14 S	4.000	281473913981711	13:56:13	14:06:46	10:33	22.063
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
	1	True				
+	2	False				
15 S	4.000	281473913981711	13:56:29	14:06:24	09:55	24.246
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 6				
	4	Layer 3				
16 M	4.000	281473913981711	13:56:36	14:06:00	09:24	23.113
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Console				
+	2	Direct,Available,Connected				
+	3	Dynamic,Active,Connected				
+	4	Dynamic,Available,Created				
17 S	4.000	281473913981711	13:57:16	13:57:39	00:23	15.002
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
+	1	Active route via gateway 10.10.10.20				
	2	Active route via gateway 10.10.10.10				
	3	Active route via both gateway				
	4	No active route				
18 S	4.000	281473913981711	13:57:39	14:05:15	07:36	25.007
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
19 S	4.000	281473913981711	13:58:05	13:58:14	00:09	9.522
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
+	1	MAC Address				
	2	IP Address				

**School name**first row
second row
third row

	3	VLAN ID
	4	802.11g

20 M	4.000	281473913981711	13:58:15	14:04:28	06:13	27.324
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	+	1	routing			
	+	2	system			
	+	3	advanced-tools			
	+	4	dhcp			
	+	5	wireless			

21 S	4.000	281473913981711	13:58:24	14:04:01	05:37	27.239
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
		1	Nothing – it will work as before			
	+	2	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		3	MAC-Address of the new card has to be changed to gateway's MAC			
		4	Another IP has to be added on the PC for Internet access			

22 M	4.000	281473913981711	13:58:55	14:03:34	04:39	51.31
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.169.0.1-192.169.0.254			
	+	2	192.168.0.1-192.168.0.14			
	+	3	192.168.0.1-192.168.0.255			
	+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			

23 S	4.000	281473913981711	13:59:43	14:00:39	00:56	56
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
		1	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
	+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			

24 S	4.000	281473913981711	14:00:39	14:02:05	01:26	47.33
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
		1	True			
	+	2	False			

25 M	4.000	281473913981711	14:00:47	14:01:17	00:30	30.243
In the Route List, the identification DAb for a route stands for						
	+	1	dynamic - active - backup			
	+	2	direct - active - bgp			
	+	3	direct - acknowledge - backup			
	+	4	dynamic - active - bgp			



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: Quiz 1

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-10-01 13:51:12 end time: 2018-10-01 14:40:44 time: 00:49:32 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%)	(Reg Ganjil 2018-2019) MTCNA: Quiz 1
--	--------------------------------------

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981705	13:51:12	13:56:43	05:31	330.835
-----	-------	-----------------	----------	----------	-------	---------

For static routing fuctionally on MikroTik Router OS, in addition to System package you will also need the following software package ...

	1	Advanced-tools
	2	Routing
	3	DHCP
+	4	No extra package required

2 S	4.000	281473913981705	13:56:43	13:57:41	00:58	57.892
-----	-------	-----------------	----------	----------	-------	--------

A router has wireless and ethernet client interfaces, all client interfaces are bridged.

To create a DHCP service for all clients you must configure DHCP server on ...

+	1	only on bridge interface
	2	DHCP service is not possible in this setup
	3	every bridge port
	4	ethernet and wireless interfaces

3 M	4.000	281473913981705	13:58:28	13:59:09	00:41	40.681
-----	-------	-----------------	----------	----------	-------	--------

Mark correct statements.

+	1	Backup files are editable
+	2	Backup files are not editable
+	3	Export files are not editable

4 S	4.000	281473913981705	13:59:09	14:00:16	01:07	66.674
-----	-------	-----------------	----------	----------	-------	--------

You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.

	1	True
+	2	False

5 S	4.000	281473913981705	14:00:16	14:02:46	02:30	150.376
-----	-------	-----------------	----------	----------	-------	---------

You have a router with these configuration:

Public IP Address : 124.81.122.92/28

Default Gateway : 124.81.122.81

DNS Server : 124.81.122.91

Local IP Address : 192.168.2.1/24

Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91

6 S	4.000	281473913981705	14:02:46	14:12:05	09:19	1.677
-----	-------	-----------------	----------	----------	-------	-------

How many wireless clients can connect, when wireless card is configured to mode=bridge?

	1	Unlimited
	2	2
+	3	1
	4	1024

7 S	4.000	281473913981705	14:10:39	14:12:50	02:11	45.094
-----	-------	-----------------	----------	----------	-------	--------

In order to import a configuration, you **do not** need to reboot the router

	1	False
+	2	True

8 S	4.000	281473913981705	14:12:50	14:13:20	00:30	29.418
-----	-------	-----------------	----------	----------	-------	--------



School name

first row

second row

third row



When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	VLAN ID				
+	2	MAC Address				
	3	802.11g				
	4	IP Address				
9 S	4.000	281473913981705	14:13:20	14:14:27	01:07	66.769
Which is the default port for IP-WINBOX?						
	1	UDP/8291				
	2	TCP/8192				
+	3	TCP/8291				
	4	TCP/80				
10 S	4.000	281473913981705	14:14:27	14:15:20	00:53	53.32
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
+	1	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
	2	Nothing – it will work as before				
	3	MAC-Address of the new card has to be changed to gateway's MAC				
	4	Another IP has to be added on the PC for Internet access				
11 S	4.000	281473913981705	14:15:20	14:16:19	00:59	41.029
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
	2	Route via gateway 3.3.3.3				
+	3	Route via gateway 2.2.2.2				
12 S	4.000	281473913981705	14:16:19	14:22:02	05:43	36.381
How long does Level 1 (FREE) license can be used?						
+	1	infinite time				
	2	24 hours				
	3	1 month				
	4	3 years				
13 M	4.000	281473913981705	14:19:37	14:21:26	01:49	109.098
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
+	2	192.168.0.1-192.168.0.14				
+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
+	4	192.169.0.1-192.169.0.254				
14 S	4.000	281473913981705	14:22:09	14:23:21	01:12	72.146
When adding a static route, you must always ensure that you add both the gateway and the interface.						
+	1	False				
	2	True				
15 S	4.000	281473913981705	14:23:21	14:26:54	03:33	212.291
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				
16 S	4.000	281473913981705	14:26:54	14:29:09	02:15	134.525
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				
17 S	4.000	281473913981705	14:29:09	14:29:50	00:41	41.4
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
+	2	On 'br-lan'				
	3	On 'wlan1'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
18 S	4.000	281473913981705	14:29:50	14:33:14	03:24	203.788



School name

first row

second row

third row



Define a routing loop (choose the most precise description)		
	1	Situation where the packet is routed through the same router twice
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires
	3	Situation where the TTL of the packet expires
	4	Situation where the packet does not reach it's destination

19 M	4.000	281473913981705	14:33:14	14:34:06	00:52	52.296
In the Route List, the identification DAb for a route stands for						
+	1	dynamic - active - backup				
+	2	dynamic - active - bgp				
+	3	direct - acknowledge - backup				
+	4	direct - active - bgp				

20 S	4.000	281473913981705	14:34:06	14:35:16	01:10	69.623
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				

21 S	4.000	281473913981705	14:35:16	14:35:39	00:23	23.14
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				

22 S	4.000	281473913981705	14:35:39	14:36:44	01:05	64.651
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 3				
	4	Layer 6				

23 S	4.000	281473913981705	14:36:44	14:38:00	01:16	75.327
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+c				
	2	Ctrl+s				
+	3	Ctrl+x				
	4	Ctrl+d				

24 S	4.000	281473913981705	14:38:00	14:39:50	01:50	110.029
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
+	1	System				
	2	Routing				
	3	Advanced-Tools				
	4	Hotspot				
	5	BGP				

25 M	4.000	281473913981705	14:39:50	14:40:44	00:54	54.552
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Active,Console				
+	2	Direct,Available,Connected				
+	3	Dynamic,Active,Connected				
+	4	Dynamic,Available,Created				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 13:20:39 end time: 2018-11-19 13:55:47 time: 00:35:08 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 94.400 / 100.000 (94%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	13:20:39	13:21:42	01:03	62.997
		DHCP server can serve clients without using IP address pool.				
	1	False				
	+	2	True			
2 S	4.000	281473913981714	13:21:42	13:55:47	34:05	74.448
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	+	1	No			
		2	Yes			
3 M	2.400	281473913981714	13:22:23	13:23:47	01:24	84.405
		It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)				
	+	1	LAN address of the webserver should be routable on the internet			
	-	2	Connection Tracking must be enabled on NAT router			
	+	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver			
	-	4	Public IP address of the webserver must be installed on the NAT Router			
	+	5	A route between the NAT Router and the webserver must exist			
4 M	4.000	281473913981714	13:23:47	13:25:58	02:11	130.895
		Possible actions of ip firewall filter are:				
	+	1	log			
	+	2	bounce			
	+	3	tarpit			
	+	4	add-to-list			
	+	5	tarp			
	+	6	accept			
5 S	4.000	281473913981714	13:25:58	13:26:23	00:25	24.088
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
		1	IP Address			
	+	2	MAC Address			
		3	VLAN ID			
		4	802.11g			
6 S	4.000	281473913981714	13:26:23	13:27:07	00:44	44.26
		How many different priorities can be selected for queues in MikroTik RouterOS?				
		1	1			
		2	0			
	+	3	8			
		4	16			
7 S	4.000	281473913981714	13:27:07	13:27:32	00:25	24.544
		Which route will be used to reach host 192.168.1.55?				
		/ip route				
		add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1				
		add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2				
		add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	+	1	Route via gateway 2.2.2.2			
		2	Route via gateway 3.3.3.3			
		3	Route via gateway 1.1.1.1			
8 S	0.000	281473913981714	13:27:32	13:29:16	01:44	104.729
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				

**School name**

first row

second row

third row



	1	station-pseudobridge
	2	station-wds
-	3	station
	4	station-bridge

9 S	4.000	281473913981714	13:29:16	13:30:54	01:38	97.309
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	+	1	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2			
		2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1			
		3	Adds IP address 192.168.1.2 to the interface ether1			
		4	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2			

10 S	4.000	281473913981714	13:30:54	13:32:02	01:08	67.513
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
		1	True			
	+	2	False			

11 S	4.000	281473913981714	13:32:02	13:52:45	20:43	121.16
What is necessary for PPPoE client configuration?						
		1	ip firewall nat masquerade rule			
	+	2	Interface (on which PPPoE client is going to work)			
		3	Static IP address on PPPoE client interface			

12 S	4.000	281473913981714	13:33:37	13:36:05	02:28	148.603
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24			
			Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.2.253/24			
			Default Gateway: 124.81.122.92			

13 S	4.000	281473913981714	13:36:05	13:50:41	14:36	61.453
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	Unlimited			
		4	1024			

14 S	4.000	281473913981714	13:37:23	13:38:49	01:26	86.156
It is possible to create an encrypted PPPoE tunnel in RouterOS						
		1	False			
	+	2	True			

15 S	4.000	281473913981714	13:38:49	13:40:11	01:22	81.827
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	+	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry			
		2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration			
		3	Configure the radius server under "/radius"			
		4	Add each known client's MAC address to your access-list configuration is the only step needed			
		5	Check the "Do not permit unknown client" box in the wireless configuration			

16 S	4.000	281473913981714	13:40:11	13:41:07	00:56	56.343
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
		1	Active route via both gateway			
	+	2	Active route via gateway 10.10.10.20			
		3	No active route			



School name

first row

second row

third row



	4	Active route via gateway 10.10.10.10				
17 S	4.000	281473913981714	13:41:07	13:41:34	00:27	26.55
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
	1	True				
+	2	False				
18 S	4.000	281473913981714	13:41:34	13:41:52	00:18	17.769
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
	1	False				
+	2	True				
19 M	4.000	281473913981714	13:41:52	13:42:22	00:30	30.04
	Select minimal set of software packages in RouterOS required to configuring a wireless AP					
+	1	system				
+	2	dhcp				
+	3	wireless				
+	4	routing				
+	5	advanced-tools				
20 S	4.000	281473913981714	13:42:22	13:43:25	01:03	63.177
	MikroTik RouterOS commands can be run once a day by:					
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				
21 S	4.000	281473913981714	13:43:25	13:45:22	01:57	116.546
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot ip-binding				
	4	/ip hotspot walled-garden				
22 S	4.000	281473913981714	13:45:22	13:46:01	00:39	39.345
	The highest queue priority is ...					
	1	8				
+	2	1				
	3	16				
	4	256				
23 S	4.000	281473913981714	13:46:01	13:46:54	00:53	52.493
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	4	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
24 S	4.000	281473913981714	13:46:54	13:47:12	00:18	17.752
	MAC Address defined in ... of OSI Model					
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981714	13:47:12	13:49:07	01:55	114.937
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
+	1	True				
	2	False				



School name

first row

second row

third row



test: (Reg Ganjil 2018-2019) MTCNA: UTS

surname: 1672079
name: AMANDA PRIYA NAVRATILOVA
user: 1672079
start time: 2018-10-12 13:15:58
end time: 2018-10-12 13:35:31
time: 00:19:33
correct: (0%)
wrong: (0%)
unanswered: (0%)
undisplayed: (0%)
points: 100.000 / 100.000 (100%)

(Reg Ganjil 2018-2019) MTCNA: UTS

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	4.000	281473913981724	13:15:58	13:19:56	03:58	236.916
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+ 1 192.169.0.1-192.169.0.254						
+ 2 192.168.0.1-192.168.0.14						
+ 3 192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254						
+ 4 192.168.0.1-192.168.0.255						
2 S	4.000	281473913981724	13:19:56	13:20:54	00:58	57.807
In order to import a configuration, you do not need to reboot the router						
1 False						
+ 2 True						
3 M	4.000	281473913981724	13:20:54	13:22:00	01:06	66.124
When making router configuration export to file which of the statements are true:						
+ 1 Only full router configuration can be exported						
+ 2 Winbox usernames and passwords are backed up						
+ 3 Export file name should be provided						
+ 4 The export file can be edited with a standard text editor after its creation						
4 S	4.000	281473913981724	13:22:00	13:24:29	02:29	148.737
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should be submitted on RA?						
1 /ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1						
2 /ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2						
3 /ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1						
+ 4 /ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2						
5 S	4.000	281473913981724	13:24:29	13:24:48	00:19	18.71
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
1 1024						
2 Unlimited						
+ 3 1						
4 2						
6 S	4.000	281473913981724	13:24:48	13:25:09	00:21	21.28
For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...						
+ 1 No extra package required						
2 DHCP						
3 Routing						
4 Advanced-tools						
7 S	4.000	281473913981724	13:25:09	13:25:39	00:30	29.225
What you cannot do with NETINSTALL?						
1 Reset the whole configuration of RouterOS						
2 Reinstalling RouterOS						
+ 3 Reset RouterOS password while maintaining the previous configuration						
8 S	4.000	281473913981724	13:25:39	13:26:08	00:29	28.71
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
1 802.11g						
2 VLAN ID						



School name

first row

second row

third row



+	3	MAC Address
	4	IP Address

9 S	4.000	281473913981724	13:26:08	13:26:57	00:49	49.462
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
	2	3				
+	3	2				
	4	4				

10 S	4.000	281473913981724	13:26:57	13:28:05	01:08	67.947
Consider this topology:						
(10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24)						
Assume that R2 and R3 has been configured for proper static routing configuration.						
In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2				
+	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				

11 S	4.000	281473913981724	13:28:05	13:28:31	00:26	25.405
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
+	1	True				
	2	False				

12 S	4.000	281473913981724	13:28:31	13:29:06	00:35	35.361
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	+	1	On 'br-lan'			
		2	On 'wlan1'			
		3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
		4	On both 'br-lan' and 'wlan1'			

13 S	4.000	281473913981724	13:29:06	13:29:41	00:35	34.282
DHCP server can serve clients without using IP address pool.						
	1	False				
+	2	True				

14 S	4.000	281473913981724	13:29:41	13:30:01	00:20	20.116
Which packages are mandatory required to create a Wireless Access Point?						
	1	DHCP				
+	2	Wireless				
	3	Routing				
	4	Advanced-tools				

15 M	4.000	281473913981724	13:30:01	13:30:44	00:43	43.364
When viewing the routes in Winbox, some routes will show "DAC" in the first column. These flags mean:						
+	1	Dynamic,Available,Created				
+	2	Direct,Available,Connected				
+	3	Dynamic,Active,Console				
+	4	Dvnmic.Active.Connected				

16 S	4.000	281473913981724	13:30:44	13:31:02	00:18	17.136
A router has wireless and ethernet client interfaces, all client interfaces are bridged.						
To create a DHCP service for all clients you must configure DHCP server on ...						
+	1	only on bridge interface				
	2	every bridge port				
	3	ethernet and wireless interfaces				
	4	DHCP service is not possible in this setup				

17 S	4.000	281473913981724	13:31:02	13:31:26	00:24	24.498
You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?						
	1	Advanced-Tools				
+	2	System				
	3	Hotspot				
	4	BGP				
	5	Routing				



School name

first row

second row

third row



18 S	4.000	281473913981724	13:31:26	13:31:59	00:33	32.83
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 3.3.3.3				
19 S	4.000	281473913981724	13:31:59	13:32:51	00:52	51.839
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
+	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
	2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
20 M	4.000	281473913981724	13:32:51	13:33:23	00:32	31.99
Mark correct statements.						
+	1	Export files are not editable				
+	2	Backup files are editable				
+	3	Backup files are not editable				
21 S	4.000	281473913981724	13:33:23	13:33:47	00:24	23.262
MAC Address defined in ... of OSI Model						
	1	Layer 7				
+	2	Layer 2				
	3	Layer 6				
	4	Layer 3				
22 S	4.000	281473913981724	13:33:47	13:34:05	00:18	18.487
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				
23 S	4.000	281473913981724	13:34:05	13:34:32	00:27	26.938
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
	1	False				
+	2	True				
24 S	4.000	281473913981724	13:34:32	13:35:02	00:30	29.676
Which is the default port for IP-WINBOX?						
	1	TCP/80				
	2	UDP/8291				
	3	TCP/8192				
+	4	TCP/8291				
25 S	4.000	281473913981724	13:35:02	13:35:31	00:29	29.039
What kind of users are listed in the "/user" menu?						
+	1	router users				
	2	pptp users				
	3	hotspot users				
	4	wireless users				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 13:20:39 end time: 2018-11-19 13:55:47 time: 00:35:08 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 94.400 / 100.000 (94%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	13:20:39	13:21:42	01:03	62.997
		DHCP server can serve clients without using IP address pool.				
	1	False				
	2	True				
2 S	4.000	281473913981714	13:21:42	13:55:47	34:05	74.448
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	1	No				
	2	Yes				
3 M	2.400	281473913981714	13:22:23	13:23:47	01:24	84.405
		It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)				
	1	LAN address of the webserver should be routable on the internet				
	2	Connection Tracking must be enabled on NAT router				
	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
	4	Public IP address of the webserver must be installed on the NAT Router				
	5	A route between the NAT Router and the webserver must exist				
4 M	4.000	281473913981714	13:23:47	13:25:58	02:11	130.895
		Possible actions of ip firewall filter are:				
	1	log				
	2	bounce				
	3	tarpit				
	4	add-to-list				
	5	tarp				
	6	accept				
5 S	4.000	281473913981714	13:25:58	13:26:23	00:25	24.088
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
	1	IP Address				
	2	MAC Address				
	3	VLAN ID				
	4	802.11g				
6 S	4.000	281473913981714	13:26:23	13:27:07	00:44	44.26
		How many different priorities can be selected for queues in MikroTik RouterOS?				
	1	1				
	2	0				
	3	8				
	4	16				
7 S	4.000	281473913981714	13:27:07	13:27:32	00:25	24.544
		Which route will be used to reach host 192.168.1.55?				
		/ip route				
		add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1				
		add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2				
		add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	1	Route via gateway 2.2.2.2				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 1.1.1.1				
8 S	0.000	281473913981714	13:27:32	13:29:16	01:44	104.729
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				



School name

first row

second row

third row



	1	station-pseudobridge
	2	station-wds
-	3	station
	4	station-bridge

9 S	4.000	281473913981714	13:29:16	13:30:54	01:38	97.309
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	+	1	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2			
		2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1			
		3	Adds IP address 192.168.1.2 to the interface ether1			
		4	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2			

10 S	4.000	281473913981714	13:30:54	13:32:02	01:08	67.513
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
		1	True			
	+	2	False			

11 S	4.000	281473913981714	13:32:02	13:52:45	20:43	121.16
What is necessary for PPPoE client configuration?						
		1	ip firewall nat masquerade rule			
	+	2	Interface (on which PPPoE client is going to work)			
		3	Static IP address on PPPoE client interface			

12 S	4.000	281473913981714	13:33:37	13:36:05	02:28	148.603
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24			
			Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.2.253/24			
			Default Gateway: 124.81.122.92			

13 S	4.000	281473913981714	13:36:05	13:50:41	14:36	61.453
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	Unlimited			
		4	1024			

14 S	4.000	281473913981714	13:37:23	13:38:49	01:26	86.156
It is possible to create an encrypted PPPoE tunnel in RouterOS						
		1	False			
	+	2	True			

15 S	4.000	281473913981714	13:38:49	13:40:11	01:22	81.827
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	+	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry			
		2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration			
		3	Configure the radius server under "/radius"			
		4	Add each known client's MAC address to your access-list configuration is the only step needed			
		5	Check the "Do not permit unknown client" box in the wireless configuration			

16 S	4.000	281473913981714	13:40:11	13:41:07	00:56	56.343
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
		1	Active route via both gateway			
	+	2	Active route via gateway 10.10.10.20			
		3	No active route			



School name

first row

second row

third row



	4	Active route via gateway 10.10.10.10				
17 S	4.000	281473913981714	13:41:07	13:41:34	00:27	26.55
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
	1	True				
+	2	False				
18 S	4.000	281473913981714	13:41:34	13:41:52	00:18	17.769
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
	1	False				
+	2	True				
19 M	4.000	281473913981714	13:41:52	13:42:22	00:30	30.04
	Select minimal set of software packages in RouterOS required to configuring a wireless AP					
+	1	system				
+	2	dhcp				
+	3	wireless				
+	4	routing				
+	5	advanced-tools				
20 S	4.000	281473913981714	13:42:22	13:43:25	01:03	63.177
	MikroTik RouterOS commands can be run once a day by:					
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				
21 S	4.000	281473913981714	13:43:25	13:45:22	01:57	116.546
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot ip-binding				
	4	/ip hotspot walled-garden				
22 S	4.000	281473913981714	13:45:22	13:46:01	00:39	39.345
	The highest queue priority is ...					
	1	8				
+	2	1				
	3	16				
	4	256				
23 S	4.000	281473913981714	13:46:01	13:46:54	00:53	52.493
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	4	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
24 S	4.000	281473913981714	13:46:54	13:47:12	00:18	17.752
	MAC Address defined in ... of OSI Model					
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981714	13:47:12	13:49:07	01:55	114.937
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
+	1	True				
	2	False				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-3-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-26 13:20:46 end time: 2018-11-26 13:30:59 time: 00:10:13 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-3-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
---	--------	----	------------------	----------------	--------------	----------------

1 S	4.000	281473913981714	13:20:46	13:21:33	00:47	47.42
-----	-------	-----------------	----------	----------	-------	-------

Consider this topology:

(192.168.1.0/24)**RA**(10.10.10.1) --- (10.10.10.2)**RB**(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should be submitted on RA?

	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1

2 S	4.000	281473913981714	13:21:33	13:22:08	00:35	34.977
-----	-------	-----------------	----------	----------	-------	--------

PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.

	1	False
+	2	True

3 S	4.000	281473913981714	13:22:08	13:22:25	00:17	16.884
-----	-------	-----------------	----------	----------	-------	--------

You want to use PCQ and allow 256k maximum download and upload for each client.

Choose correct argument values for the required queue.

	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address
+	3	kind=pcq pcq-rate=256000 pcq-classifier=src-address
	4	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address

4 S	4.000	281473913981714	13:22:25	13:22:44	00:19	18.586
-----	-------	-----------------	----------	----------	-------	--------

You have a DHCP server on your MikroTik router.

The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network.

After a while 20 more IP Addresses need to be distributed in the network.

It is possible to distribute the extra IP Addresses without adding another DHCP Server.

	1	False
+	2	True

5 S	4.000	281473913981714	13:22:44	13:23:30	00:46	45.913
-----	-------	-----------------	----------	----------	-------	--------

A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot.

Select the best solution for the problem.

+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.
	2	Write a script in 'system script' to set the clock.
	3	Configure '/system ntp server' and set a valid and reachable NTP client address.
	4	Open the router and ensure the CMOS battery is fine.

6 S	4.000	281473913981714	13:23:30	13:23:39	00:09	8.727
-----	-------	-----------------	----------	----------	-------	-------

The highest queue priority is ...

	1	256
+	2	1
	3	8
	4	16

7 S	4.000	281473913981714	13:23:39	13:23:53	00:14	14.209
-----	-------	-----------------	----------	----------	-------	--------

Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?

	1	station
+	2	station-pseudobridge
	3	station-wds
	4	station-bridge



School name

first row

second row

third row



8 S	4.000	281473913981714	13:23:53	13:24:06	00:13	12.48
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
	2	On 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
9 S	4.000	281473913981714	13:24:06	13:24:23	00:17	17
In RouterOS queue configurations the word "total" usually represents						
+	1	upload + download				
	2	download				
	3	download - upload				
	4	upload				
10 S	4.000	281473913981714	13:24:23	13:25:06	00:43	43.095
Which port does PPTP use by default?						
	1	UDP 1723				
+	2	TCP 1723				
	3	UDP 1721				
	4	TCP 1721				
11 S	4.000	281473913981714	13:25:06	13:25:31	00:25	24.343
It is possible to create an encrypted PPPoE tunnel in RouterOS						
+	1	True				
	2	False				
12 S	4.000	281473913981714	13:25:31	13:25:48	00:17	17.316
Action=redirect can be used in NAT chain src-nat						
	1	True				
+	2	False				
13 S	4.000	281473913981714	13:25:48	13:26:19	00:31	31.286
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	prerouting				
	2	output				
+	3	forward				
	4	input				
14 S	4.000	281473913981714	13:26:19	13:26:36	00:17	16.051
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
	1	Route via gateway 1.1.1.1				
+	2	Route via gateway 2.2.2.2				
	3	Route via gateway 3.3.3.3				
15 S	4.000	281473913981714	13:26:36	13:26:51	00:15	15.849
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				
16 S	4.000	281473913981714	13:26:51	13:27:32	00:41	40.161
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
+	1	2				
	2	4				
	3	1				
	4	3				
17 S	4.000	281473913981714	13:27:32	13:27:54	00:22	21.922
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
	1	allow				
+	2	masquerade				
	3	passthrough				
	4	tarpit				
18 S	4.000	281473913981714	13:27:54	13:28:13	00:19	19.115
MAC Address defined in ... of OSI Model						
+	1	Layer 2				



School name

first row

second row

third row



	2	Layer 6
	3	Layer 7
	4	Layer 3

19 S	4.000	281473913981714	13:28:13	13:28:33	00:20	19.724
In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.						
	+	1	True			
		2	False			

20 S	4.000	281473913981714	13:28:33	13:29:03	00:30	29.661
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			

21 S	4.000	281473913981714	13:29:03	13:29:21	00:18	18.546
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	+	1	False			
		2	True			

22 S	4.000	281473913981714	13:29:21	13:29:39	00:18	17.127
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
		1	/ip hotspot ip-binding			
		2	/ip hotspot walled-garden			
		3	/ip hotspot profile			
	+	4	/ip hotspot user profile			

23 S	4.000	281473913981714	13:29:39	13:30:23	00:44	44.218
Which of the following keystrokes enables safe mode in console:						
		1	Ctrl+d			
		2	Ctrl+c			
	+	3	Ctrl+x			
		4	Ctrl+s			

24 S	4.000	281473913981714	13:30:23	13:30:42	00:19	19.052
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
	+	1	2007			
		2	1024			
		3	2048			
		4	2012			

25 S	4.000	281473913981714	13:30:42	13:30:59	00:17	16.789
MikroTik RouterOS commands can be run once a day by:						
		1	/system watchdog			
	+	2	/system scheduler			
		3	/system cron			



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 14:35:46 end time: 2018-11-19 14:58:58 time: 00:23:12 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	14:35:46	14:36:17	00:31	30.648
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
2 M	4.000	281473913981714	14:36:17	14:58:58	22:41	54.614
It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)						
+	1	A route between the NAT Router and the webserver must exist				
+	2	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
+	3	Connection Tracking must be enabled on NAT router				
+	4	Public IP address of the webserver must be installed on the NAT Router				
3 S	4.000	281473913981714	14:37:28	14:37:42	00:14	13.397
The highest queue priority is ...						
	1	8				
	2	256				
	3	16				
+	4	1				
4 S	4.000	281473913981714	14:37:42	14:37:53	00:11	10.775
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
5 S	4.000	281473913981714	14:37:53	14:38:35	00:42	42.344
Which configuration menu should you use to change router's Winbox default port?						
	1	/ip firewall filter				
	2	/ip firewall service-ports				
+	3	/ip services				
	4	/system resource				
6 S	4.000	281473913981714	14:38:35	14:39:19	00:44	43.472
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should submitted on RA?						
	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
7 S	4.000	281473913981714	14:39:19	14:39:40	00:21	20.937
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 1.1.1.1				

**School name**first row
second row
third row

	3	Route via gateway 3.3.3.3				
8 S	4.000	281473913981714	14:39:40	14:39:59	00:19	18.629
	Which is the default port for IP-WINBOX?					
	1	TCP/8192				
+	2	TCP/8291				
	3	UDP/8291				
	4	TCP/80				
9 S	4.000	281473913981714	14:39:59	14:40:14	00:15	15.437
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
	1	1024				
	2	2				
	3	Unlimited				
+	4	1				
10 S	4.000	281473913981714	14:40:14	14:40:35	00:21	20.563
	Is it possible to limit how many clients are able to connect to an access point?					
	1	No it's not possible at all				
	2	Yes, but only with access-lists				
+	3	Yes				
11 S	4.000	281473913981714	14:40:35	14:40:47	00:12	12.395
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
	4	/ip hotspot ip-binding				
12 S	4.000	281473913981714	14:40:47	14:41:55	01:08	67.396
	Which of the protocols below is used by Netinstall?					
+	1	BOOTP				
	2	ARP				
	3	RARP				
	4	DHCP				
13 S	4.000	281473913981714	14:41:55	14:42:19	00:24	23.59
	You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!					
	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
14 S	4.000	281473913981714	14:42:19	14:43:47	01:28	88.58
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				
15 S	4.000	281473913981714	14:43:47	14:43:58	00:11	10.903
	What is necessary for PPPoE client configuration?					
	1	ip firewall nat masquerade rule				
+	2	Interface (on which PPPoE client is going to work)				
	3	Static IP address on PPPoE client interface				
16 M	4.000	281473913981714	14:43:58	14:44:44	00:46	45.473
	What does the firewall action "redirect" do?					
+	1	Redirect a packet to another host in the network				
+	2	Redirect a packet to a specific port in the router				



School name

first row

second row

third row



	+	3	Redirect a packet to a specific gateway				
	+	4	Redirect a packet to the router				
17	S	4.000	281473913981714	14:44:44	14:46:30	01:46	106.155
			Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
	+	1	False				
		2	True				
18	S	4.000	281473913981714	14:46:30	14:46:47	00:17	16.275
			MikroTik RouterOS commands can be run once a day by:				
		1	/system cron				
	+	2	/system scheduler				
		3	/system watchdog				
19	S	4.000	281473913981714	14:46:47	14:47:18	00:31	31.06
			Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
		1	Another IP has to be added on the PC for Internet access				
		2	MAC-Address of the new card has to be changed to gateway's MAC				
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				
		4	Nothing – it will work as before				
20	S	4.000	281473913981714	14:47:18	14:47:53	00:35	34.675
			You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
	+	1	True				
		2	False				
21	S	4.000	281473913981714	14:47:53	14:48:17	00:24	23.957
			Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	+	1	No				
		2	Yes				
22	S	4.000	281473913981714	14:48:17	14:49:05	00:48	47.938
			Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
		1	station-wds				
		2	station-bridge				
		3	station				
	+	4	station-pseudobridge				
23	S	4.000	281473913981714	14:49:05	14:49:33	00:28	27.869
			Which firewall chain should you use to filter clients HTTP traffic going through the router?				
		1	input				
		2	prerouting				
	+	3	forward				
		4	output				
24	S	4.000	281473913981714	14:49:33	14:49:50	00:17	16.685
			How many different priorities can be selected for queues in MikroTik RouterOS?				
	+	1	8				
		2	0				
		3	16				
		4	1				
25	S	4.000	281473913981714	14:49:50	14:50:16	00:26	26.36
			Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
		1	WPA EAP / WPA2 EAP				
	+	2	WPA PSK / WPA2 PSK				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-11-19 13:20:31 end time: 2018-11-19 13:54:19 time: 00:33:48 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 92.000 / 100.000 (92%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981713	13:20:31	13:21:48	01:17	76.806
	Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?					
	1	WPA EAP / WPA2 EAP				
+	2	WPA PSK / WPA2 PSK				
2 S	4.000	281473913981713	13:21:48	13:22:21	00:33	32.762
	A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.					
	1	Open the router and ensure the CMOS battery is fine.				
	2	Write a script in 'system script' to set the clock.				
+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.				
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.				
3 S	4.000	281473913981713	13:22:21	13:54:19	31:58	146.731
	What is necessary for PPPoE client configuration?					
	1	ip firewall nat masquerade rule				
	2	Static IP address on PPPoE client interface				
+	3	Interface (on which PPPoE client is going to work)				
4 S	4.000	281473913981713	13:23:17	13:25:02	01:45	104.658
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
5 S	4.000	281473913981713	13:25:02	13:25:20	00:18	17.494
	For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...					
	1	DHCP				
+	2	No extra package required				
	3	Advanced-tools				
	4	Routing				
6 S	4.000	281473913981713	13:25:20	13:25:39	00:19	19.077
	Firewall NAT rules process only the first packet of each connection.					
	1	false				
+	2	true				
7 S	4.000	281473913981713	13:25:39	13:26:12	00:33	32.322
	Consider this topology:					
	(192.168.1.0/24) RA (10.10.10.1) --- (10.10.10.2) RB (192.168.2.0/24)					
	Static routing on RB has been properly configured.					
	Which configuration should submitted on RA?					
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
8 S	4.000	281473913981713	13:26:12	13:26:32	00:20	19.85
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
	1	2				
	2	1024				
+	3	1				



School name

first row

second row

third row



	4	Unlimited				
9 S	4.000	281473913981713	13:26:32	13:27:19	00:47	47.632
	Which is the default port for IP-WINBOX?					
	1	TCP/80				
	2	TCP/8192				
	3	UDP/8291				
	+	4	TCP/8291			
10 S	4.000	281473913981713	13:27:19	13:27:37	00:18	17.134
	RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.					
	1	False				
	+	2	True			
11 S	0.000	281473913981713	13:27:37	13:28:07	00:30	29.917
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
	1	True				
	-	2	False			
12 S	4.000	281473913981713	13:28:07	13:28:36	00:29	29.689
	Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?					
	1	Yes				
	+	2	No			
13 S	4.000	281473913981713	13:28:36	13:29:27	00:51	50.189
	Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?					
	1	2012				
	2	1024				
	3	2048				
	+	4	2007			
14 S	4.000	281473913981713	13:29:27	13:29:53	00:26	26.4
	The highest queue priority is ...					
	1	8				
	+	2	1			
	3	256				
	4	16				
15 S	4.000	281473913981713	13:29:53	13:30:06	00:13	13.021
	DHCP server can serve clients without using IP address pool.					
	1	False				
	+	2	True			
16 S	4.000	281473913981713	13:30:06	13:30:42	00:36	35.9
	You have a router with these configuration:					
	Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24					
	Mark the correct configuration on client PC to access the Internet!					
	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	+	2	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
	3	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	4	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
17 S	4.000	281473913981713	13:30:42	13:31:17	00:35	34.463
	MikroTik RouterOS commands can be run once a day by:					
	+	1	/system scheduler			
	2	/system watchdog				
	3	/system cron				
18 S	4.000	281473913981713	13:31:17	13:31:36	00:19	18.9
	How long does Level 1 (FREE) license can be used?					
	1	24 hours				
	2	3 years				
	+	3	infinite time			
	4	1 month				



School name

first row

second row

third row



19 S	4.000	281473913981713	13:31:36	13:32:10	00:34	34.215
In RouterOS queue configurations the word "total" usually represents						
	1	download - upload				
	2	upload				
+	3	upload + download				
	4	download				
20 S	0.000	281473913981713	13:32:10	13:32:39	00:29	28.103
Is it possible to limit how many clients are able to connect to an access point?						
-	1	Yes, but only with access-lists				
	2	Yes				
	3	No it's not possible at all				
21 S	4.000	281473913981713	13:32:39	13:34:03	01:24	83.948
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
22 S	4.000	281473913981713	13:34:03	13:34:21	00:18	17.772
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
	2	ethernet and wireless interfaces				
	3	DHCP service is not possible in this setup				
+	4	only on bridge interface				
23 S	4.000	281473913981713	13:34:21	13:36:03	01:42	101.87
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	output				
+	2	forward				
	3	input				
	4	prerouting				
24 S	4.000	281473913981713	13:36:03	13:39:17	03:14	194.063
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	input				
	2	forward				
+	3	output				
	4	postrouting				
25 S	4.000	281473913981713	13:39:17	13:40:43	01:26	86.021
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot ip-binding				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
+	4	/ip hotspot user profile				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672014 name: LYDIA NOVIANI KUSUMO user: 1672014 start time: 2018-11-19 14:35:28 end time: 2018-11-19 14:48:12 time: 00:12:44 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	4.000	281473913981713	14:35:28	14:37:00	01:32	91.559
		In the Route List, the identification DAB for a route stands for				
	+	1	dynamic - active - bgp			
	+	2	dynamic - active - backup			
	+	3	direct - active - bgp			
	+	4	direct - acknowledge - backup			
2 S	4.000	281473913981713	14:37:00	14:37:19	00:19	18.946
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot ip-binding			
		2	/ip hotspot walled-garden			
		3	/ip hotspot profile			
	+	4	/ip hotspot user profile			
3 S	4.000	281473913981713	14:37:20	14:37:35	00:15	14.208
		What is necessary for PPPoE client configuration?				
		1	Static IP address on PPPoE client interface			
	+	2	Interface (on which PPPoE client is going to work)			
		3	ip firewall nat masquerade rule			
4 S	4.000	281473913981713	14:37:35	14:38:19	00:44	44.374
		You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?				
		1	Advanced-Tools			
	+	2	System			
		3	Hotspot			
		4	BGP			
		5	Routing			
5 S	4.000	281473913981713	14:38:19	14:38:39	00:20	19.571
		Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
	+	1	WPA PSK / WPA2 PSK			
		2	WPA EAP / WPA2 EAP			
6 S	4.000	281473913981713	14:38:39	14:40:40	02:01	120.972
		What kind of users are listed in the "/user" menu?				
	+	1	router users			
		2	wireless users			
		3	hotspot users			
		4	pptp users			
7 S	4.000	281473913981713	14:40:40	14:41:04	00:24	23.667
		MikroTik RouterOS commands can be run once a day by:				
		1	/system cron			
	+	2	/system scheduler			
		3	/system watchdog			
8 S	4.000	281473913981713	14:41:04	14:41:16	00:12	11.996
		You have a router with these configuration:				
		Public IP Address : 124.81.122.92/28				
		Default Gateway : 124.81.122.81				
		DNS Server : 124.81.122.91				
		Local IP Address : 192.168.2.1/24				



School name

first row

second row

third row



Mark the correct configuration on client PC to access the Internet!

	1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91
	2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1
+	3	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1
	4	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92

9 S	4.000	281473913981713	14:41:16	14:41:23	00:07	7.016
How long does Level 1 (FREE) license can be used?						
	1	3 years				
	2	24 hours				
+	3	infinite time				
	4	1 month				

10 S	4.000	281473913981713	14:41:23	14:41:40	00:17	16.527
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
+	1	No				
	2	Yes				

11 S	4.000	281473913981713	14:41:40	14:41:58	00:18	17.937
Which port does PPTP use by default?						
	1	TCP 1721				
	2	UDP 1721				
	3	UDP 1723				
+	4	TCP 1723				

12 S	4.000	281473913981713	14:41:58	14:42:14	00:16	15.884
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	DHCP service is not possible in this setup				
+	2	only on bridge interface				
	3	every bridge port				
	4	ethernet and wireless interfaces				

13 S	4.000	281473913981713	14:42:14	14:42:26	00:12	11.741
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	input				
+	2	forward				
	3	output				
	4	prerouting				

14 S	4.000	281473913981713	14:42:26	14:42:45	00:19	19.077
How many different priorities can be selected for queues in MikroTik RouterOS?						
+	1	8				
	2	0				
	3	16				
	4	1				

15 S	4.000	281473913981713	14:42:45	14:43:32	00:47	47.248
Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?						
	1	station-wds				
+	2	station-pseudobridge				
	3	station-bridge				
	4	station				

16 S	4.000	281473913981713	14:43:32	14:43:52	00:20	19.805
Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?						
	1	Another IP has to be added on the PC for Internet access				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
	3	Nothing – it will work as before				
+	4	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC				

17 S	4.000	281473913981713	14:43:52	14:44:23	00:31	30.832
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
+	1	masquerade				
	2	passthrough				



School name

first row

second row

third row



	3	tarpit
	4	allow

18 S	4.000	281473913981713	14:44:23	14:44:48	00:25	24.875
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	postrouting				
	2	input				
+	3	output				
	4	forward				

19 S	4.000	281473913981713	14:44:48	14:45:36	00:48	47.32
Define a routing loop (choose the most precise description)						
	1	Situation where the packet does not reach it's destination				
	2	Situation where the TTL of the packet expires				
	3	Situation where the packet is routed through the same router twice				
+	4	Situation where the packet is routed through the same sequence of routers until the TTL expires				

20 S	4.000	281473913981713	14:45:36	14:46:02	00:26	26.429
MAC Address defined in ... of OSI Model						
+	1	Layer 2				
	2	Layer 6				
	3	Layer 3				
	4	Layer 7				

21 S	4.000	281473913981713	14:46:02	14:46:33	00:31	30.4
It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.						
	1	False				
+	2	True				

22 S	4.000	281473913981713	14:46:33	14:46:56	00:23	23.049
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
	1	1024				
	2	2048				
+	3	2007				
	4	2012				

23 S	4.000	281473913981713	14:46:56	14:47:11	00:15	15.165
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				

24 M	4.000	281473913981713	14:47:11	14:47:53	00:42	41.598
	DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:					
	+	1	192.168.0.1-192.168.0.255			
	+	2	192.169.0.1-192.169.0.254			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.168.0.1-192.168.0.14			

25 S	4.000	281473913981713	14:47:55	14:48:12	00:17	16.95
	In RouterOS queue configurations the word "total" usually represents					
	1	upload				
	2	download				
+	3	upload + download				
	4	download - upload				

**School name**

first row

second row

third row

**test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA**

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-11-19 13:20:24 end time: 2018-11-19 13:52:55 time: 00:32:31 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 91.429 / 100.000 (91%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981704	13:20:24	13:22:35	02:11	130.578
		Which port does PPTP use by default?				
	+	1	TCP 1723			
		2	UDP 1723			
		3	TCP 1721			
		4	UDP 1721			
2 S	4.000	281473913981704	13:22:35	13:23:19	00:44	44.722
		You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.				
		1	False			
	+	2	True			
3 S	4.000	281473913981704	13:23:19	13:23:37	00:18	17.49
		You need to use "static routing" feature of MikroTik RouterOS. What is the necessary package you need to install?				
		1	Hotspot			
	+	2	System			
		3	Routing			
		4	Advanced-Tools			
		5	BGP			
4 S	4.000	281473913981704	13:23:37	13:24:09	00:32	31.385
		You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!				
		1	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			
		2	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
		3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
	+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
5 S	4.000	281473913981704	13:24:09	13:29:48	05:39	339.662
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
		1	/ip hotspot profile			
	+	2	/ip hotspot user profile			
		3	/ip hotspot walled-garden			
		4	/ip hotspot ip-binding			
6 S	4.000	281473913981704	13:29:48	13:32:05	02:17	136.405
		How many different priorities can be selected for queues in MikroTik RouterOS?				
		1	1			
	+	2	8			
		3	0			
		4	16			



School name

first row

second row

third row



7 S	4.000	281473913981704	13:32:05	13:33:09	01:04	64.095
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
	1	True				
+	2	False				
8 M	4.000	281473913981704	13:33:09	13:34:30	01:21	81.056
What does the firewall action "redirect" do?						
+	1	Redirect a packet to the router				
+	2	Redirect a packet to a specific gateway				
+	3	Redirect a packet to another host in the network				
+	4	Redirect a packet to a specific port in the router				
9 S	4.000	281473913981704	13:34:30	13:35:04	00:34	33.532
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should be submitted on RA?						
	1	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	3	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
10 S	4.000	281473913981704	13:35:04	13:36:39	01:35	95.305
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	output				
+	2	forward				
	3	prerouting				
	4	input				
11 S	4.000	281473913981704	13:36:39	13:38:06	01:27	86.403
The highest queue priority is ...						
+	1	1				
	2	16				
	3	8				
	4	256				
12 M	3.429	281473913981704	13:38:06	13:39:28	01:22	82.103
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+	1	Remove/Disable the Interfaces				
+	2	Place a proper forward firewall rule to block mac discovery				
-	3	Place a proper input firewall rule to block mac discovery				
+	4	Add a Deny All input firewall rule				
+	5	Remove/Disable all interfaces under mac-server winbox				
+	6	Remove/Disable all interfaces under mac-server telnet				
+	7	Remove/Disable all discovery interfaces				
13 S	4.000	281473913981704	13:39:28	13:40:38	01:10	70.129
In RouterOS queue configurations the word "total" usually represents						
	1	download				
	2	upload				
+	3	upload + download				
	4	download - upload				
14 S	4.000	281473913981704	13:40:38	13:42:00	01:22	81.533
What is necessary for PPPoE client configuration?						
	1	Static IP address on PPPoE client interface				
+	2	Interface (on which PPPoE client is going to work)				
	3	ip firewall nat masquerade rule				
15 S	4.000	281473913981704	13:42:00	13:43:19	01:19	78.367
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
+	2	Ctrl+x				
	3	Ctrl+s				
	4	Ctrl+c				
16 S	4.000	281473913981704	13:43:19	13:43:40	00:21	21.16
DHCP server can serve clients without using IP address pool.						
	1	False				

**School name**first row
second row
third row

	+	2	True				
17 S	0.000	281473913981704	13:43:40	13:44:55	01:15	75.031	
			Is it possible to limit how many clients are able to connect to an access point?				
		1	Yes				
		2	No it's not possible at all				
	-	3	Yes, but only with access-lists				
18 S	4.000	281473913981704	13:44:55	13:45:48	00:53	52.568	
			Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
		1	Yes				
	+	2	No				
19 S	4.000	281473913981704	13:45:48	13:48:19	02:31	150.632	
			It is possible to create an encrypted PPPoE tunnel in RouterOS				
		1	False				
	+	2	True				
20 S	4.000	281473913981704	13:48:19	13:48:54	00:35	35.193	
			A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
		1	On 'wlan1'				
		2	On both 'br-lan' and 'wlan1'				
	+	3	On 'br-lan'				
		4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
21 S	4.000	281473913981704	13:48:54	13:49:16	00:22	21.923	
			Which default route will be active?				
			/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
			/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
		1	Active route via both gateway				
		2	Active route via gateway 10.10.10.10				
		3	No active route				
	+	4	Active route via gateway 10.10.10.20				
22 S	4.000	281473913981704	13:49:16	13:49:38	00:22	21.532	
			How many wireless clients can connect, when wireless card is configured to mode=bridge?				
	+	1	1				
		2	Unlimited				
		3	1024				
		4	2				
23 M	4.000	281473913981704	13:49:38	13:50:10	00:32	32.587	
			Mark correct statements.				
	+	1	Backup files are not editable				
	+	2	Backup files are editable				
	+	3	Export files are not editable				
24 S	0.000	281473913981704	13:50:10	13:52:07	01:57	116.722	
			Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
	-	1	station				
		2	station-bridge				
		3	station-wds				
		4	station-pseudobridge				
25 S	4.000	281473913981704	13:52:07	13:52:55	00:48	47.976	
			MikroTik RouterOS commands can be run once a day by:				
		1	/system cron				
	+	2	/system scheduler				
		3	/system watchdog				

**School name**

first row

second row

third row

**test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA**

surname: 1572008 name: Gisela Kurniawati user: 1572008 start time: 2018-11-19 13:20:08 end time: 2018-11-19 13:37:21 time: 00:17:13 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 91.429 / 100.000 (91%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981698	13:20:08	13:21:05	00:57	57.066
		MAC Address defined in ... of OSI Model				
	1	Layer 6				
+	2	Layer 2				
	3	Layer 7				
	4	Layer 3				
2 S	4.000	281473913981698	13:21:08	13:21:22	00:14	13.925
		Which default route will be active?				
		/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
		/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
	1	Active route via both gateway				
	2	No active route				
+	3	Active route via gateway 10.10.10.20				
	4	Active route via gateway 10.10.10.10				
3 S	4.000	281473913981698	13:21:23	13:24:33	03:10	190.2
		MikroTik RouterOS commands can be run once a day by:				
	1	/system cron				
+	2	/system scheduler				
	3	/system watchdog				
4 S	4.000	281473913981698	13:24:34	13:24:57	00:23	23.479
		When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:				
+	1	2				
	2	3				
	3	1				
	4	4				
5 S	4.000	281473913981698	13:24:58	13:25:17	00:19	18.688
		It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.				
	1	False				
+	2	True				
6 S	0.000	281473913981698	13:25:17	13:26:19	01:02	61.195
		Is it possible to limit how many clients are able to connect to an access point?				
	1	Yes				
-	2	Yes, but only with access-lists				
	3	No it's not possible at all				
7 S	4.000	281473913981698	13:26:19	13:28:32	02:13	34.279
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
	1	Check the "Do not permit unknown client" box in the wireless configuration				
	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
	3	Configure the radius server under "/radius"				
	4	Add each known client's MAC address to your access-list configuration is the only step needed				
+	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
8 M	4.000	281473913981698	13:28:33	13:28:51	00:18	18.767
		What kind of users are listed in the Secrets window of the PPP menu?				
+	1	hotspot users				
+	2	l2tp users				



School name

first row
second row
third row



+	3	wireless users
+	4	winbox users
+	5	pptp users

9 S	4.000	281473913981698	13:28:52	13:29:22	00:30	29.795
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot ip-binding				
	2	/ip hotspot profile				
+	3	/ip hotspot user profile				
	4	/ip hotspot walled-garden				

10 S	4.000	281473913981698	13:29:24	13:30:23	00:59	58.396
What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside						
	1	allow				
	2	passthrough				
+	3	masquerade				
	4	tarpit				

11 S	0.000	281473913981698	13:30:23	13:30:56	00:33	33.162
You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.						
	1	False				
-	2	True				

12 M	3.429	281473913981698	13:31:05	13:32:01	00:56	55.749
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+	1	Place a proper forward firewall rule to block mac discovery				
-	2	Place a proper input firewall rule to block mac discovery				
+	3	Remove/Disable all interfaces under mac-server telnet				
+	4	Remove/Disable all interfaces under mac-server winbox				
+	5	Add a Deny All input firewall rule				
+	6	Remove/Disable the Interfaces				
+	7	Remove/Disable all discovery interfaces				

13 M	4.000	281473913981698	13:32:03	13:32:24	00:21	20.491
In the Route List, the identification DAb for a route stands for						
+	1	direct - active - bgp				
+	2	dynamic - active - backup				
+	3	dynamic - active - bgp				
+	4	direct - acknowledge - backup				

14 S	4.000	281473913981698	13:32:24	13:33:00	00:36	35.428
To use masquerade, you need to specify						
	1	action=masquerade, in-interface, chain=src-nat				
+	2	action=masquerade, out-interface, chain=src-nat				
	3	action=accept, out-interface, chain=src-nat				
	4	action=masquerade, out-interface, chain=dst-nat				

15 S	4.000	281473913981698	13:33:00	13:33:09	00:09	9.352
The highest queue priority is ...						
	1	256				
	2	8				
+	3	1				
	4	16				

16 S	4.000	281473913981698	13:33:10	13:33:29	00:19	19.774
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download				
	3	download - upload				
+	4	upload + download				

17 S	4.000	281473913981698	13:33:30	13:33:44	00:14	14.053
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				

18 S	4.000	281473913981698	13:33:47	13:34:05	00:18	17.754
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network.						



School name

first row

second row

third row



It is possible to distribute the extra IP Addresses without adding another DHCP Server.

+	1	True
	2	False

19 M	4.000	281473913981698	13:34:06	13:34:39	00:33	33.074
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
	+	1	192.168.0.1-192.168.0.14			
	+	2	192.168.0.1-192.168.0.255			
	+	3	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254			
	+	4	192.169.0.1-192.169.0.254			

20 S	4.000	281473913981698	13:34:46	13:35:12	00:26	26.249
It's impossible to remove user "admin" from "/user"						
		1	True			
	+	2	False			

21 S	4.000	281473913981698	13:35:12	13:35:43	00:31	31.036
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
		1	True			
	+	2	False			

22 S	4.000	281473913981698	13:35:44	13:36:01	00:17	17.141
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
		1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address			
		2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address			
		3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address			
	+	4	kind=pcq pcq-rate=256000 pcq-classifier=dst-address			

23 S	4.000	281473913981698	13:36:02	13:36:37	00:35	20.846
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
		1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'			
	+	2	On 'br-lan'			
		3	On both 'br-lan' and 'wlan1'			
		4	On 'wlan1'			

24 M	4.000	281473913981698	13:36:38	13:37:05	00:27	27.313
When making router configuration export to file which of the statements are true:						
	+	1	Export file name should be provided			
	+	2	Winbox usernames and passwords are backed up			
	+	3	The export file can be edited with a standard text editor after its creation			
	+	4	Only full router configuration can be exported			

25 S	4.000	281473913981698	13:37:06	13:37:21	00:15	14.834
Which port does PPTP use by default?						
		1	UDP 1723			
		2	TCP 1721			
		3	UDP 1721			
	+	4	TCP 1723			



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1572040 name: Rossevine Artha Natasya user: 1572040 start time: 2018-11-19 13:20:02 end time: 2018-11-19 13:59:42 time: 00:39:40 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 92.000 / 100.000 (92%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	13:20:02	13:27:51	07:49	469.017
		Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?				
	1	WPA EAP / WPA2 EAP				
	+	2	WPA PSK / WPA2 PSK			
2 S	4.000	281473913981699	13:27:51	13:29:33	01:42	101.336
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	+	1	True			
		2	False			
3 S	4.000	281473913981699	13:29:33	13:30:50	01:17	76.783
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
		1	True			
	+	2	False			
4 S	4.000	281473913981699	13:30:50	13:31:16	00:26	25.894
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
		1	Yes			
	+	2	No			
5 S	4.000	281473913981699	13:31:16	13:32:48	01:32	92.137
		What is necessary for PPPoE client configuration?				
	+	1	Interface (on which PPPoE client is going to work)			
		2	Static IP address on PPPoE client interface			
		3	ip firewall nat masquerade rule			
6 S	4.000	281473913981699	13:32:48	13:33:22	00:34	34.231
		What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside				
		1	tarpit			
		2	allow			
		3	passthrough			
	+	4	masquerade			
7 S	4.000	281473913981699	13:33:22	13:34:22	01:00	59.744
		Which default route will be active?				
		/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10				
		/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20				
		1	No active route			
		2	Active route via both gateway			
	+	3	Active route via gateway 10.10.10.20			
		4	Active route via gateway 10.10.10.10			
8 M	4.000	281473913981699	13:34:22	13:35:13	00:51	50.479
		What kind of users are listed in the Secrets window of the PPP menu?				
	+	1	hotspot users			
	+	2	pptp users			
	+	3	wireless users			
	+	4	l2tp users			
	+	5	winbox users			
9 S	4.000	281473913981699	13:35:13	13:36:00	00:47	47.495
		You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.				
	+	1	False			
		2	True			

**School name**

first row

second row

third row



10 S	4.000	281473913981699	13:36:00	13:36:40	00:40	39.389
Which is the default port for IP-WINBOX?						
	1	TCP/80				
+	2	TCP/8291				
	3	TCP/8192				
	4	UDP/8291				
11 M	4.000	281473913981699	13:36:40	13:38:16	01:36	95.985
DHCP server is configured on a router's ether1 interface. IP address 192.168.0.100/24 is assigned to the interface. Possible IP pools, that can be used by this DHCP server, are:						
+	1	192.168.0.1-192.168.0.255				
+	2	192.168.0.1-192.168.0.14				
+	3	192.169.0.1-192.169.0.254				
+	4	192.168.0.1-192.168.0.99,192.168.0.101-192.168.0.254				
12 S	4.000	281473913981699	13:38:16	13:39:16	01:00	59.618
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+c				
	3	Ctrl+s				
+	4	Ctrl+x				
13 S	4.000	281473913981699	13:39:16	13:40:07	00:51	51.181
How many different priorities can be selected for queues in MikroTik RouterOS?						
	1	16				
	2	0				
+	3	8				
	4	1				
14 S	4.000	281473913981699	13:40:07	13:42:19	02:12	132.031
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
+	2	only on bridge interface				
	3	ethernet and wireless interfaces				
	4	DHCP service is not possible in this setup				
15 S	4.000	281473913981699	13:42:19	13:45:48	03:29	208.61
It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.						
+	1	True				
	2	False				
16 S	4.000	281473913981699	13:45:48	13:47:03	01:15	75.144
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	2				
	2	Unlimited				
	3	1024				
+	4	1				
17 S	4.000	281473913981699	13:47:03	13:47:52	00:49	49.096
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 1.1.1.1				
18 S	0.000	281473913981699	13:47:52	13:50:34	02:42	161.424
Which firewall chain should you use to filter clients HTTP traffic going through the router?						
	1	prerouting				
-	2	output				
	3	input				
	4	forward				
19 S	4.000	281473913981699	13:50:34	13:51:09	00:35	35.299
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot profile				
	2	/ip hotspot walled-garden				



School name

first row

second row

third row



	3	/ip hotspot ip-binding
+	4	/ip hotspot user profile

20 S	4.000	281473913981699	13:51:09	13:54:47	03:38	217.24
Which firewall chain should you use to filter ICMP packets from the router itself?						
	1	postrouting				
	2	forward				
+	3	output				
	4	input				

21 S	4.000	281473913981699	13:54:47	13:55:13	00:26	26.584
The highest queue priority is ...						
+	1	1				
	2	256				
	3	16				
	4	8				

22 S	4.000	281473913981699	13:55:13	13:56:37	01:24	83.995
MikroTik RouterOS commands can be run once a day by:						
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				

23 S	0.000	281473913981699	13:56:37	13:57:36	00:59	58.334
Is it possible to limit how many clients are able to connect to an access point?						
-	1	Yes, but only with access-lists				
	2	Yes				
	3	No it's not possible at all				

24 S	4.000	281473913981699	13:57:36	13:58:48	01:12	72.117
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	1				
	2	3				
+	3	2				
	4	4				

25 S	4.000	281473913981699	13:58:48	13:59:42	00:54	54.052
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
+	1	kind=pcq pcq-rate=256000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1572040 name: Rossevine Artha Natasya user: 1572040 start time: 2018-11-19 14:35:49 end time: 2018-11-19 14:54:59 time: 00:19:10 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981699	14:35:49	14:37:30	01:41	101.148
		It is possible to create an encrypted PPPoE tunnel in RouterOS				
	1	False				
+	2	True				
2 S	4.000	281473913981699	14:37:30	14:37:58	00:28	27.32
		You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.				
	1	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
3 S	4.000	281473913981699	14:37:58	14:39:20	01:22	82.417
		Define a routing loop (choose the most precise description)				
	1	Situation where the packet is routed through the same router twice				
	2	Situation where the packet does not reach it's destination				
	3	Situation where the TTL of the packet expires				
+	4	Situation where the packet is routed through the same sequence of routers until the TTL expires				
4 S	4.000	281473913981699	14:39:20	14:40:19	00:59	58.028
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
+	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	3	Add each known client's MAC address to your access-list configuration is the only step needed				
	4	Check the "Do not permit unknown client" box in the wireless configuration				
	5	Configure the radius server under "/radius"				
5 S	4.000	281473913981699	14:40:19	14:41:05	00:46	46.193
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
	1	False				
+	2	True				
6 S	4.000	281473913981699	14:41:05	14:42:41	01:36	86.716
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				
	1	station				
	2	station-wds				
+	3	station-pseudobridge				
	4	station-bridge				
7 S	4.000	281473913981699	14:42:41	14:43:50	01:09	69.254
		When adding a static route, you must always ensure that you add both the gateway and the interface.				
	1	False				
+	2	True				
8 S	4.000	281473913981699	14:43:50	14:45:06	01:16	75.665
		Action=redirect can be used in NAT chain src-nat				
	1	False				
+	2	True				
9 S	4.000	281473913981699	14:45:06	14:45:34	00:28	27.55
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				



School name

first row
second row
third row



+	1	MAC Address
	2	802.11g
	3	VLAN ID
	4	IP Address

10 S	4.000	281473913981699	14:45:34	14:46:08	00:34	33.691
------	-------	-----------------	----------	----------	-------	--------

A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.

+	1	Configure '/system ntp client' and set a valid and reachable NTP server address.
	2	Open the router and ensure the CMOS battery is fine.
	3	Write a script in 'system script' to set the clock.
	4	Configure '/system ntp server' and set a valid and reachable NTP client address.

11 S	4.000	281473913981699	14:46:08	14:46:38	00:30	30.512
------	-------	-----------------	----------	----------	-------	--------

What is the correct action to be specified in the NAT rule to hide a private network when communicating to the outside

	1	allow
	2	tarpit
	3	passthrough
+	4	masquerade

12 S	4.000	281473913981699	14:46:38	14:46:49	00:11	10.925
------	-------	-----------------	----------	----------	-------	--------

MikroTik RouterOS commands can be run once a day by:

	1	/system watchdog
+	2	/system scheduler
	3	/system cron

13 S	4.000	281473913981699	14:46:49	14:47:16	00:27	26.393
------	-------	-----------------	----------	----------	-------	--------

MAC Address defined in ... of OSI Model

+	1	Layer 2
	2	Layer 7
	3	Layer 6
	4	Layer 3

14 S	4.000	281473913981699	14:47:16	14:47:46	00:30	30.333
------	-------	-----------------	----------	----------	-------	--------

Consider this topology:

(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)

Static routing on RB has been properly configured.

Which configuration should be submitted on RA?

+	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2
	2	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1
	3	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1

15 S	4.000	281473913981699	14:47:46	14:48:06	00:20	19.464
------	-------	-----------------	----------	----------	-------	--------

Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?

	1	Yes
+	2	No

16 S	4.000	281473913981699	14:48:06	14:49:42	01:36	95.715
------	-------	-----------------	----------	----------	-------	--------

In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.

+	1	True
	2	False

17 S	4.000	281473913981699	14:49:42	14:50:10	00:28	23.261
------	-------	-----------------	----------	----------	-------	--------

The highest queue priority is ...

	1	16
	2	8
	3	256
+	4	1

18 S	4.000	281473913981699	14:50:10	14:50:45	00:35	34.462
------	-------	-----------------	----------	----------	-------	--------

Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?

+	1	2007
	2	1024
	3	2048
	4	2012

19 S	4.000	281473913981699	14:50:45	14:51:29	00:44	44.238
------	-------	-----------------	----------	----------	-------	--------

/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81



School name

first row

second row

third row



The command shown above:

	1	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2
	2	Adds IP address 192.168.1.2 to the interface ether1
+	3	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2
	4	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1

20 S	4.000	281473913981699	14:51:29	14:52:42	01:13	73.128
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				

21 S	4.000	281473913981699	14:52:42	14:53:42	01:00	59.198
PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.						
+	1	True				
	2	False				

22 S	4.000	281473913981699	14:53:42	14:54:12	00:30	30.104
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
+	1	On 'br-lan'				
	2	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				

23 S	4.000	281473913981699	14:54:12	14:54:27	00:15	15.065
Which of the following keystrokes enables safe mode in console:						
	1	Ctrl+d				
	2	Ctrl+c				
+	3	Ctrl+x				
	4	Ctrl+s				

24 S	4.000	281473913981699	14:54:27	14:54:42	00:15	14.599
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
+	1	/ip hotspot user profile				
	2	/ip hotspot ip-binding				
	3	/ip hotspot profile				
	4	/ip hotspot walled-garden				

25 S	4.000	281473913981699	14:54:42	14:54:59	00:17	17.571
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download - upload				
+	3	upload + download				
	4	download				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1572008 name: Gisela Kurniawati user: 1572008 start time: 2018-11-19 14:36:00 end time: 2018-11-19 14:49:42 time: 00:13:42 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 94.000 / 100.000 (94%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 M	3.000	281473913981698	14:36:00	14:38:38	02:38	157.588
It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)						
	<input type="checkbox"/>	1	LAN address of the webserver should be routable on the internet			
	<input checked="" type="checkbox"/>	2	A route between the NAT Router and the webserver must exist			
	<input checked="" type="checkbox"/>	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver			
	<input type="checkbox"/>	4	Public IP address of the webserver must be installed on the NAT Router			
2 S	4.000	281473913981698	14:38:39	14:39:30	00:51	50.941
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	<input type="checkbox"/>	1	Check the "Do not permit unknown client" box in the wireless configuration			
	<input type="checkbox"/>	2	Configure the radius server under "/radius"			
	<input type="checkbox"/>	3	Add each known client's MAC address to your access-list configuration is the only step needed			
	<input checked="" type="checkbox"/>	4	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry			
	<input type="checkbox"/>	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration			
3 S	4.000	281473913981698	14:39:30	14:40:01	00:31	30.518
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	<input type="checkbox"/>	1	False			
	<input checked="" type="checkbox"/>	2	True			
4 S	4.000	281473913981698	14:40:01	14:40:05	00:04	3.261
MAC Address defined in ... of OSI Model						
	<input type="checkbox"/>	1	Layer 6			
	<input type="checkbox"/>	2	Layer 3			
	<input checked="" type="checkbox"/>	3	Layer 2			
	<input type="checkbox"/>	4	Layer 7			
5 S	4.000	281473913981698	14:40:11	14:40:26	00:15	14.3
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	<input type="checkbox"/>	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address			
	<input type="checkbox"/>	2	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address			
	<input type="checkbox"/>	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address			
	<input checked="" type="checkbox"/>	4	kind=pcq pcq-rate=256000 pcq-classifier=src-address			
6 S	4.000	281473913981698	14:40:26	14:40:30	00:04	3.297
MikroTik RouterOS commands can be run once a day by:						
	<input type="checkbox"/>	1	/system cron			
	<input type="checkbox"/>	2	/system watchdog			
	<input checked="" type="checkbox"/>	3	/system scheduler			
7 M	4.000	281473913981698	14:40:30	14:40:47	00:17	17.421
Select minimal set of software packages in RouterOS required to configuring a wireless AP						
	<input checked="" type="checkbox"/>	1	dhcp			
	<input checked="" type="checkbox"/>	2	wireless			
	<input checked="" type="checkbox"/>	3	system			
	<input checked="" type="checkbox"/>	4	routing			
	<input checked="" type="checkbox"/>	5	advanced-tools			
8 S	4.000	281473913981698	14:40:48	14:42:02	01:14	74.063
Which configuration menu should you use to change router's Winbox default port?						
	<input type="checkbox"/>	1	/system resource			



School name

first row

second row

third row



+	2	/ip services
	3	/ip firewall filter
	4	/ip firewall service-ports

9 S	4.000	281473913981698	14:42:03	14:42:40	00:37	37.514
If ARP=reply-only is enabled on one router interface, router can add dynamic ARP entries for the particular interface.						
+	1	False				
	2	True				

10 S	4.000	281473913981698	14:42:41	14:43:12	00:31	31.271
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	1	every bridge port				
+	2	only on bridge interface				
	3	DHCP service is not possible in this setup				
	4	ethernet and wireless interfaces				

11 S	4.000	281473913981698	14:43:13	14:43:17	00:04	3.816
Is it possible to limit how many clients are able to connect to an access point?						
+	1	Yes				
	2	Yes, but only with access-lists				
	3	No it's not possible at all				

12 S	4.000	281473913981698	14:43:18	14:43:27	00:09	9.212
What is necessary for PPPoE client configuration?						
	+	1	Interface (on which PPPoE client is going to work)			
		2	Static IP address on PPPoE client interface			
		3	ip firewall nat masquerade rule			

13 S	4.000	281473913981698	14:43:29	14:44:21	00:52	51.946
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	1	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1				
	2	Adds IP address 192.168.1.2 to the interface ether1				
	3	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2				
+	4	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2				

14 S	4.000	281473913981698	14:44:21	14:44:46	00:25	22.326
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+		1	Route via gateway 2.2.2.2			
		2	Route via gateway 1.1.1.1			
		3	Route via gateway 3.3.3.3			

15 S	4.000	281473913981698	14:44:47	14:45:32	00:45	44.94
Define a routing loop (choose the most precise description)						
	1	Situation where the packet is routed through the same router twice				
+	2	Situation where the packet is routed through the same sequence of routers until the TTL expires				
	3	Situation where the TTL of the packet expires				
	4	Situation where the packet does not reach it's destination				

16 S	4.000	281473913981698	14:45:32	14:46:00	00:28	27.229
Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.						
	1	True				
+	2	False				

17 S	4.000	281473913981698	14:46:00	14:46:02	00:02	2.192
	The highest queue priority is ...					
	1	8				
	2	16				
+	3	1				
	4	256				

18 S	4.000	281473913981698	14:46:02	14:46:23	00:21	20.791
When sending out an ARP request, an IP host is expecting what kind of address for an answer?						
	1	VLAN ID				

**School name**first row
second row
third row

+	2	MAC Address
	3	IP Address
	4	802.11g

19 S	4.000	281473913981698	14:46:24	14:46:28	00:04	3.635
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	4				
	2	1				
	3	2				
+	4	3				

20 S	0.000	281473913981698	14:46:28	14:46:54	00:26	25.933
Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?						
	1	station-pseudobridge				
	2	station-bridge				
	-	3	station			
		4	station-wds			

21 S	4.000	281473913981698	14:46:55	14:48:00	01:05	64.928
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
+	1	/ip hotspot user profile				
	2	/ip hotspot ip-binding				
	3	/ip hotspot walled-garden				
	4	/ip hotspot profile				

22 S	4.000	281473913981698	14:48:00	14:48:15	00:15	14.715
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				

23 S	4.000	281473913981698	14:48:16	14:48:19	00:03	2.52
In RouterOS queue configurations the word "total" usually represents						
	1	download				
	2	download - upload				
	3	upload				
+	4	upload + download				

24 M	4.000	281473913981698	14:48:19	14:49:10	00:51	50.828
Possible actions of ip firewall filter are:						
+	1	log				
+	2	tarp				
+	3	add-to-list				
+	4	bounce				

25 M	3.000	281473913981698	14:49:11	14:49:42	00:31	31.612
When making router configuration export to file which of the statements are true:						
+	1	Only full router configuration can be exported				
+	2	The export file can be edited with a standard text editor after its creation				
-	3	Winbox usernames and passwords are backed up				
+	4	Export file name should be provided				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672035 name: NURUL AFIANY user: 1672035 start time: 2018-11-19 14:38:57 end time: 2018-11-19 14:54:49 time: 00:15:52 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981704	14:38:57	14:39:28	00:31	31.34
		MikroTik RouterOS commands can be run once a day by:				
	1	/system watchdog				
	2	/system cron				
	+	3	/system scheduler			
2 S	4.000	281473913981704	14:39:28	14:39:42	00:14	13.857
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
	+	1	False			
		2	True			
3 M	4.000	281473913981704	14:39:42	14:40:21	00:39	38.452
		What does the firewall action "redirect" do?				
	+	1	Redirect a packet to a specific port in the router			
	+	2	Redirect a packet to the router			
	+	3	Redirect a packet to a specific gateway			
	+	4	Redirect a packet to another host in the network			
4 S	4.000	281473913981704	14:40:21	14:40:56	00:35	35.094
		For static routing functionally on MikroTik Router OS, in addition to System package you will also need the following software package ...				
	+	1	No extra package required			
		2	Advanced-tools			
		3	DHCP			
		4	Routing			
5 M	4.000	281473913981704	14:40:56	14:41:57	01:01	61.363
		Possible actions of ip firewall filter are:				
	+	1	bounce			
	+	2	add-to-list			
	+	3	log			
	+	4	tarp			
6 S	4.000	281473913981704	14:41:57	14:42:39	00:42	41.59
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
	+	1	False			
		2	True			
7 S	4.000	281473913981704	14:42:39	14:43:03	00:24	24.132
		The highest queue priority is ...				
	+	1	1			
		2	256			
		3	8			
		4	16			
8 S	4.000	281473913981704	14:43:03	14:43:22	00:19	18.411
		You want to share the same user and password for different computers at the same time.				
		Which menu is used for configuration?				
		1	/ip hotspot ip-binding			
		2	/ip hotspot profile			
	+	3	/ip hotspot user profile			
		4	/ip hotspot walled-garden			
9 S	4.000	281473913981704	14:43:22	14:44:28	01:06	66.317
		Which route will be used to reach host 192.168.1.55?				



School name

first row

second row

third row



/ip route
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3

	1	Route via gateway 1.1.1.1
+	2	Route via gateway 2.2.2.2
	3	Route via gateway 3.3.3.3

10 M	4.000	281473913981704	14:44:28	14:45:20	00:52	51.757
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
	+	1	Remove/Disable the Interfaces			
	+	2	Place a proper forward firewall rule to block mac discovery			
	+	3	Remove/Disable all interfaces under mac-server winbox			
	+	4	Remove/Disable all discovery interfaces			

11 S	4.000	281473913981704	14:45:20	14:45:49	00:29	29.392
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
	+	1	only on bridge interface			
		2	DHCP service is not possible in this setup			
		3	ethernet and wireless interfaces			
		4	every bridge port			

12 S	4.000	281473913981704	14:45:49	14:46:16	00:27	26.278
How many different priorities can be selected for queues in MikroTik RouterOS?						
		1	16			
	+	2	8			
		3	1			
		4	0			

13 S	4.000	281473913981704	14:46:16	14:46:38	00:22	22.158
Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?						
		1	WPA EAP / WPA2 EAP			
	+	2	WPA PSK / WPA2 PSK			

14 S	4.000	281473913981704	14:46:38	14:47:00	00:22	21.997
You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1			
		3	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92			
		4	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91			

15 S	4.000	281473913981704	14:47:00	14:47:44	00:44	43.737
What you cannot do with NETINSTALL?						
		1	Reset the whole configuration of RouterOS			
	+	2	Reset RouterOS password while maintaining the previous configuration			
		3	Reinstalling RouterOS			

16 S	4.000	281473913981704	14:47:44	14:48:07	00:23	23.298
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	1024			
		4	Unlimited			

17 S	4.000	281473913981704	14:48:07	14:48:57	00:50	49.803
PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.						
		1	False			
	+	2	True			



School name

first row

second row

third row



18 S	4.000	281473913981704	14:48:57	14:49:21	00:24	23.754
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
+	3	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	4	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
19 S	4.000	281473913981704	14:49:21	14:49:47	00:26	26.062
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
	1	False				
+	2	True				
20 S	4.000	281473913981704	14:49:47	14:53:10	03:23	202.762
Which of the protocols below is used by Netinstall?						
	1	DHCP				
	2	RARP				
+	3	BOOTP				
	4	ARP				
21 S	4.000	281473913981704	14:53:10	14:53:28	00:18	17.602
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
+	1	No				
	2	Yes				
22 S	4.000	281473913981704	14:53:28	14:53:41	00:13	13.221
What is necessary for PPPoE client configuration?						
+	1	Interface (on which PPPoE client is going to work)				
	2	Static IP address on PPPoE client interface				
	3	ip firewall nat masquerade rule				
23 S	4.000	281473913981704	14:53:41	14:54:17	00:36	35.98
RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.						
+	1	True				
	2	False				
24 S	4.000	281473913981704	14:54:17	14:54:30	00:13	12.091
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						
+	1	2007				
	2	1024				
	3	2012				
	4	2048				
25 S	4.000	281473913981704	14:54:30	14:54:49	00:19	19.259
It's impossible to remove user "admin" from "/user"						
	1	True				
+	2	False				

**School name**

first row

second row

third row

**test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA**

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-11-19 14:39:36 end time: 2018-11-19 14:57:37 time: 00:18:01 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 96.000 / 100.000 (96%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981705	14:39:36	14:40:40	01:04	63.709
Which of the protocols below is used by Netinstall?						
+ 1 BOOTP						
2 DHCP						
3 ARP						
4 RARP						
2 M	4.000	281473913981705	14:40:40	14:44:41	04:01	240.73
You wish to secure your RouterOS system. You do not want the RouterOS to be discoverable using MNDP or CDP. You also want to deny management via the MAC addresses on all interfaces. Select the correct actions to accomplish this.						
+ 1 Remove/Disable all interfaces under mac-server telnet						
+ 2 Remove/Disable the Interfaces						
+ 3 Add a Deny All input firewall rule						
+ 4 Remove/Disable all discovery interfaces						
3 S	4.000	281473913981705	14:44:41	14:45:12	00:31	30.794
Which route will be used to reach host 192.168.1.55?						
/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
1 Route via gateway 1.1.1.1						
2 Route via gateway 3.3.3.3						
+ 3 Route via gateway 2.2.2.2						
4 S	4.000	281473913981705	14:45:12	14:45:33	00:21	20.568
In RouterOS queue configurations the word "total" usually represents						
+ 1 upload + download						
2 download - upload						
3 upload						
4 download						
5 S	4.000	281473913981705	14:45:33	14:46:02	00:29	28.949
A router has wireless and ethernet client interfaces, all client interfaces are bridged. To create a DHCP service for all clients you must configure DHCP server on ...						
1 every bridge port						
+ 2 only on bridge interface						
3 DHCP service is not possible in this setup						
4 ethernet and wireless interfaces						
6 S	4.000	281473913981705	14:46:02	14:46:25	00:23	23.068
You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.						
1 False						
+ 2 True						
7 M	4.000	281473913981705	14:46:25	14:46:52	00:27	27.524
Mark correct statements.						
+ 1 Backup files are not editable						
+ 2 Export files are not editable						
+ 3 Backup files are editable						
8 S	4.000	281473913981705	14:46:52	14:47:15	00:23	22.745



School name

first row

second row

third row



		What is necessary for PPPoE client configuration?				
	1	Static IP address on PPPoE client interface				
+	2	Interface (on which PPPoE client is going to work)				
	3	ip firewall nat masquerade rule				
9 S	4.000	281473913981705	14:47:15	14:47:34	00:19	18.406
		How many different priorities can be selected for queues in MikroTik RouterOS?				
	1	0				
	2	16				
	3	1				
+	4	8				
10 S	4.000	281473913981705	14:47:34	14:48:30	00:56	55.741
		A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?				
	1	On 'wlan1'				
	2	On both 'br-lan' and 'wlan1'				
+	3	On 'br-lan'				
	4	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
11 S	4.000	281473913981705	14:48:30	14:49:03	00:33	32.665
		Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.				
	1	Configure the radius server under "/radius"				
+	2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	3	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
	4	Add each known client's MAC address to your access-list configuration is the only step needed				
	5	Check the "Do not permit unknown client" box in the wireless configuration				
12 S	4.000	281473913981705	14:49:03	14:49:20	00:17	17.154
		You want to share the same user and password for different computers at the same time. Which menu is used for configuration?				
+	1	/ip hotspot user profile				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
	4	/ip hotspot ip-binding				
13 S	4.000	281473913981705	14:49:20	14:49:36	00:16	16.245
		It is possible to create an encrypted PPPoE tunnel in RouterOS				
	1	False				
+	2	True				
14 S	4.000	281473913981705	14:49:36	14:50:51	01:15	74.544
		Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.				
+	1	False				
	2	True				
15 S	4.000	281473913981705	14:50:51	14:51:49	00:58	58.238
		/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81				
		The command shown above:				
	1	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2				
	2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1				
+	3	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2				
	4	Adds IP address 192.168.1.2 to the interface ether1				
16 S	4.000	281473913981705	14:51:49	14:52:31	00:42	41.675
		Consider this topology: (192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24) Static routing on RB has been properly configured. Which configuration should submitted on RA?				
	1	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
17 S	4.000	281473913981705	14:52:31	14:52:47	00:16	15.649
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
+	1	False				



School name

first row

second row

third row



	2	True				
18 S	4.000	281473913981705	14:52:47	14:53:11	00:24	24.505
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	2	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	+	4	kind=pcq pcq-rate=256000 pcq-classifier=dst-address			
19 S	4.000	281473913981705	14:53:11	14:53:26	00:15	14.425
DHCP server can serve clients without using IP address pool.						
	+	1	True			
		2	False			
20 S	4.000	281473913981705	14:53:26	14:53:40	00:14	14.328
MikroTik RouterOS commands can be run once a day by:						
	1	/system cron				
	2	/system watchdog				
	+	3	/system scheduler			
21 S	4.000	281473913981705	14:53:40	14:54:00	00:20	19.664
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	+	1	No			
		2	Yes			
22 M	4.000	281473913981705	14:54:00	14:54:45	00:45	45.005
What does the firewall action "redirect" do?						
	+	1	Redirect a packet to the router			
	+	2	Redirect a packet to a specific port in the router			
	+	3	Redirect a packet to another host in the network			
	+	4	Redirect a packet to a specific gateway			
23 S	0.000	281473913981705	14:54:45	14:56:40	01:55	114.207
Consider this topology: (10.1.1.0/24) R1 (172.16.0.1) --- (172.16.0.2) R2 (172.30.10.1) --- (172.30.10.2) R3 (192.168.10.0/24) Assume that R2 and R3 has been configured for proper static routing configuration. In order to connect the 192.168.10.0/24 network, what is most proper static routing configuration for R1?						
	1	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.1				
	2	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.1				
	3	/ip route add dst-address=192.168.10.0/24 gateway=172.16.0.2				
	-	4	/ip route add dst-address=192.168.10.0/24 gateway=172.30.10.2			
24 S	4.000	281473913981705	14:56:40	14:57:10	00:30	30.001
Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?						
	1	station				
	+	2	station-pseudobridge			
		3	station-bridge			
		4	station-wds			
25 S	4.000	281473913981705	14:57:10	14:57:37	00:27	27.482
A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.						
	1	Configure '/system ntp server' and set a valid and reachable NTP client address.				
	+	2	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		3	Open the router and ensure the CMOS battery is fine.			
		4	Write a script in 'system script' to set the clock.			



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672001 name: VERNANDA DWI AYUNINGRUM user: 1672001 start time: 2018-11-19 13:21:46 end time: 2018-11-19 14:01:55 time: 00:40:09 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 80.000 / 100.000 (80%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981703	13:21:46	13:22:44	00:58	57.654
		RouterOS DHCP server is able to send any DHCP option (specified in RFCs) to DHCP clients.				
	1	False				
	+	2	True			
2 S	4.000	281473913981703	13:22:44	13:23:57	01:13	72.688
		Which port does PPTP use by default?				
	1	TCP 1721				
	+	2	TCP 1723			
		3	UDP 1723			
		4	UDP 1721			
3 S	4.000	281473913981703	13:23:57	13:24:30	00:33	32.6
		Which route will be used to reach host 192.168.1.55?				
		/ip route add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1 add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2 add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	+	1	Route via gateway 2.2.2.2			
		2	Route via gateway 1.1.1.1			
		3	Route via gateway 3.3.3.3			
4 S	0.000	281473913981703	13:24:30	13:26:35	02:05	125.31
		In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.				
	1	False				
	-	2	True			
5 S	4.000	281473913981703	13:26:35	13:27:18	00:43	42.482
		Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?				
	1	Nothing – it will work as before				
	2	MAC-Address of the new card has to be changed to gateway's MAC				
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	Another IP has to be added on the PC for Internet access			
6 S	4.000	281473913981703	13:27:18	13:28:25	01:07	67.585
		A client uses a RouterBOARD1000. The clock is configured in '/system clock'. The clock resets to default after each reboot. Select the best solution for the problem.				
	1	Write a script in 'system script' to set the clock.				
	2	Open the router and ensure the CMOS battery is fine.				
	+	3	Configure '/system ntp client' and set a valid and reachable NTP server address.			
		4	Configure '/system ntp server' and set a valid and reachable NTP client address.			
7 S	4.000	281473913981703	13:28:25	13:28:54	00:29	28.757
		It's impossible to remove user "admin" from "/user"				
	1	True				
	+	2	False			
8 S	4.000	281473913981703	13:28:54	13:31:07	02:13	132.526
		PPPoE server only works within one Ethernet broadcast domain that it is connected to. And if there is a router between server and end-user host, it will not be able to create PPPoE tunnel to said PPPoE server.				
	1	False				
	+	2	True			



School name

first row

second row

third row



9 S	4.000	281473913981703	13:31:07	13:33:21	02:14	134.338
The highest queue priority is ...						
	1	8				
	2	256				
	3	16				
+	4	1				
10 S	4.000	281473913981703	13:33:21	13:35:54	02:33	152.585
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	1	Check the "Do not permit unknown client" box in the wireless configuration				
	2	Add each known client's MAC address to your access-list configuration is the only step needed				
+	3	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry				
	4	Configure the radius server under "/radius"				
	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration				
11 S	4.000	281473913981703	13:35:54	13:38:13	02:19	138.389
In RouterOS queue configurations the word "total" usually represents						
	1	upload				
	2	download				
	3	download - upload				
+	4	upload + download				
12 M	4.000	281473913981703	13:38:13	13:41:24	03:11	191.446
Possible actions of ip firewall filter are:						
+	1	target				
+	2	bounce				
+	3	accept				
+	4	target				
+	5	add-to-list				
+	6	log				
13 S	4.000	281473913981703	13:41:24	13:43:23	01:59	118.59
Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?						
	1	Yes				
+	2	No				
14 S	0.000	281473913981703	13:43:23	13:46:36	03:13	192.565
How many different priorities can be selected for queues in MikroTik RouterOS?						
	1	8				
-	2	16				
	3	1				
	4	0				
15 S	0.000	281473913981703	13:46:36	13:50:26	03:50	230.52
You want to share the same user and password for different computers at the same time. Which menu is used for configuration?						
	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot walled-garden				
-	4	/ip hotspot ip-binding				
16 S	4.000	281473913981703	13:50:26	13:51:11	00:45	44.272
How long does Level 1 (FREE) license can be used?						
+	1	infinite time				
	2	24 hours				
	3	3 years				
	4	1 month				
17 S	4.000	281473913981703	13:51:11	13:52:43	01:32	92.547
Firewall NAT rules process only the first packet of each connection.						
	1	false				
+	2	true				
18 S	0.000	281473913981703	13:52:43	13:54:00	01:17	76.754
Action=redirect can be used in NAT chain src-nat						
	1	False				
-	2	True				
19 S	0.000	281473913981703	13:54:00	13:57:17	03:17	196.873
Consider a wireless access point with mode=ap-bridge. What is the maximum number of concurrent clients that can connect to it?						

**School name**

first row

second row

third row



	1	2012
	2	2007
	3	1024
-	4	2048

20 S	4.000	281473913981703	13:57:17	13:57:40	00:23	22.761
MikroTik RouterOS commands can be run once a day by:						
	1	/system cron				
	2	/system watchdog				
+	3	/system scheduler				

21 S	4.000	281473913981703	13:57:40	13:58:41	01:01	60.392
A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?						
	1	On both 'br-lan' and 'wlan1'				
+	2	On 'br-lan'				
	3	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
	4	On 'wlan1'				

22 S	4.000	281473913981703	13:58:41	13:59:22	00:41	41.279
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
	1	Unlimited				
	2	1024				
+	3	1				
	4	2				

23 S	4.000	281473913981703	13:59:22	13:59:33	00:11	10.808
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	1	IP Address: 192.168.1.233/24				
		Default Gateway: 124.81.122.91				
	2	IP Address: 192.168.2.253/24				
		Default Gateway: 124.81.122.92				
	3	IP Address: 192.168.0.1/24				
		Default Gateway: 192.168.2.1				
+	4	IP Address: 192.168.2.115/24				
		Default Gateway: 192.168.2.1				

24 S	4.000	281473913981703	13:59:33	14:00:05	00:32	31.592
It is possible to create an encrypted PPPoE tunnel in RouterOS						
+	1	True				
	2	False				

25 S	4.000	281473913981703	14:00:05	14:01:55	01:50	109.971
When using routing option 'check-gateway=ping' after how many timeouts is gateway considered unreachable:						
	1	3				
	2	1				
	3	4				
+	4	2				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 13:20:39 end time: 2018-11-19 13:55:47 time: 00:35:08 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 94.400 / 100.000 (94%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
--	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	13:20:39	13:21:42	01:03	62.997
		DHCP server can serve clients without using IP address pool.				
	1	False				
	2	True				
2 S	4.000	281473913981714	13:21:42	13:55:47	34:05	74.448
		Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?				
	1	No				
	2	Yes				
3 M	2.400	281473913981714	13:22:23	13:23:47	01:24	84.405
		It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)				
	1	LAN address of the webserver should be routable on the internet				
	2	Connection Tracking must be enabled on NAT router				
	3	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
	4	Public IP address of the webserver must be installed on the NAT Router				
	5	A route between the NAT Router and the webserver must exist				
4 M	4.000	281473913981714	13:23:47	13:25:58	02:11	130.895
		Possible actions of ip firewall filter are:				
	1	log				
	2	bounce				
	3	tarpit				
	4	add-to-list				
	5	tarp				
	6	accept				
5 S	4.000	281473913981714	13:25:58	13:26:23	00:25	24.088
		When sending out an ARP request, an IP host is expecting what kind of address for an answer?				
	1	IP Address				
	2	MAC Address				
	3	VLAN ID				
	4	802.11g				
6 S	4.000	281473913981714	13:26:23	13:27:07	00:44	44.26
		How many different priorities can be selected for queues in MikroTik RouterOS?				
	1	1				
	2	0				
	3	8				
	4	16				
7 S	4.000	281473913981714	13:27:07	13:27:32	00:25	24.544
		Which route will be used to reach host 192.168.1.55?				
		/ip route				
		add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1				
		add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2				
		add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3				
	1	Route via gateway 2.2.2.2				
	2	Route via gateway 3.3.3.3				
	3	Route via gateway 1.1.1.1				
8 S	0.000	281473913981714	13:27:32	13:29:16	01:44	104.729
		Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?				

**School name**

first row

second row

third row



	1	station-pseudobridge
	2	station-wds
-	3	station
	4	station-bridge

9 S	4.000	281473913981714	13:29:16	13:30:54	01:38	97.309
/ip firewall nat add chain=dstnat in-interface=ether1 protocol=tcp dst-port=3389 action=dst-nat to-address=192.168.1.2 to-ports=81						
The command shown above:						
	+	1	Forwards any TCP traffic incoming through ether1 port 3389 to the port 81 of the internal host 192.168.1.2			
		2	Forwards all TCP traffic from 192.168.1.2 to port 81 of the interface ether1			
		3	Adds IP address 192.168.1.2 to the interface ether1			
		4	Forwards any TCP traffic incoming through ether1 port 81 to the port 3389 of the internal host 192.168.1.2			

10 S	4.000	281473913981714	13:30:54	13:32:02	01:08	67.513
In order to use dynamic keys in your wireless security profile for AP, you MUST set up the dhcp-server to provide the dynamic keys.						
		1	True			
	+	2	False			

11 S	4.000	281473913981714	13:32:02	13:52:45	20:43	121.16
What is necessary for PPPoE client configuration?						
		1	ip firewall nat masquerade rule			
	+	2	Interface (on which PPPoE client is going to work)			
		3	Static IP address on PPPoE client interface			

12 S	4.000	281473913981714	13:33:37	13:36:05	02:28	148.603
You have a router with these configuration:						
Public IP Address : 124.81.122.92/28						
Default Gateway : 124.81.122.81						
DNS Server : 124.81.122.91						
Local IP Address : 192.168.2.1/24						
Mark the correct configuration on client PC to access the Internet!						
	+	1	IP Address: 192.168.2.115/24			
			Default Gateway: 192.168.2.1			
		2	IP Address: 192.168.1.233/24			
			Default Gateway: 124.81.122.91			
		3	IP Address: 192.168.0.1/24			
			Default Gateway: 192.168.2.1			
		4	IP Address: 192.168.2.253/24			
			Default Gateway: 124.81.122.92			

13 S	4.000	281473913981714	13:36:05	13:50:41	14:36	61.453
How many wireless clients can connect, when wireless card is configured to mode=bridge?						
		1	2			
	+	2	1			
		3	Unlimited			
		4	1024			

14 S	4.000	281473913981714	13:37:23	13:38:49	01:26	86.156
It is possible to create an encrypted PPPoE tunnel in RouterOS						
		1	False			
	+	2	True			

15 S	4.000	281473913981714	13:38:49	13:40:11	01:22	81.827
Which of the following would prevent unknown clients from connecting to your AP? Choose the BEST answer.						
	+	1	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your access-list configuration ensuring that you enable "authenticate" in the entry			
		2	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration			
		3	Configure the radius server under "/radius"			
		4	Add each known client's MAC address to your access-list configuration is the only step needed			
		5	Check the "Do not permit unknown client" box in the wireless configuration			

16 S	4.000	281473913981714	13:40:11	13:41:07	00:56	56.343
Which default route will be active?						
/ip route add disabled=no distance=10 dst-address=0.0.0.0/0 gateway=10.10.10.10						
/ip route add disabled=no distance=5 dst-address=0.0.0.0/0 gateway=10.10.10.20						
		1	Active route via both gateway			
	+	2	Active route via gateway 10.10.10.20			
		3	No active route			



School name

first row

second row

third row



	4	Active route via gateway 10.10.10.10				
17 S	4.000	281473913981714	13:41:07	13:41:34	00:27	26.55
	You need to reboot a RouterBoard after importing a previously exported rsc file to activate the new configuration.					
	1	True				
+	2	False				
18 S	4.000	281473913981714	13:41:34	13:41:52	00:18	17.769
	In case when router login password is lost, it is necessary to reinstall RouterOS or use hardware reset function.					
	1	False				
+	2	True				
19 M	4.000	281473913981714	13:41:52	13:42:22	00:30	30.04
	Select minimal set of software packages in RouterOS required to configuring a wireless AP					
+	1	system				
+	2	dhcp				
+	3	wireless				
+	4	routing				
+	5	advanced-tools				
20 S	4.000	281473913981714	13:42:22	13:43:25	01:03	63.177
	MikroTik RouterOS commands can be run once a day by:					
	1	/system watchdog				
	2	/system cron				
+	3	/system scheduler				
21 S	4.000	281473913981714	13:43:25	13:45:22	01:57	116.546
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot profile				
	3	/ip hotspot ip-binding				
	4	/ip hotspot walled-garden				
22 S	4.000	281473913981714	13:45:22	13:46:01	00:39	39.345
	The highest queue priority is ...					
	1	8				
+	2	1				
	3	16				
	4	256				
23 S	4.000	281473913981714	13:46:01	13:46:54	00:53	52.493
	You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.					
	1	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	2	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	4	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
24 S	4.000	281473913981714	13:46:54	13:47:12	00:18	17.752
	MAC Address defined in ... of OSI Model					
+	1	Layer 2				
	2	Layer 7				
	3	Layer 3				
	4	Layer 6				
25 S	4.000	281473913981714	13:47:12	13:49:07	01:55	114.937
	It is possible to have PPTP Client and PPTP server on one MikroTik router at the same time.					
+	1	True				
	2	False				



School name

first row

second row

third row



test: (Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA

surname: 1672079 name: AMANDA PRIYA NAVRATILOVA user: 1672079 start time: 2018-11-19 14:35:46 end time: 2018-11-19 14:58:58 time: 00:23:12 points to pass the exam: 70.000 correct: (0%) wrong: (0%) unanswered: (0%) undisplayed: (0%) points: 100.000 / 100.000 (100%) - PASSED	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
---	--

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
1 S	4.000	281473913981714	14:35:46	14:36:17	00:31	30.648
You want to use PCQ and allow 256k maximum download and upload for each client. Choose correct argument values for the required queue.						
	1	kind=pcq pcq-rate=1256000 pcq-classifier=dst-address				
+	2	kind=pcq pcq-rate=256000 pcq-classifier=src-address				
	3	kind=pcq pcq-rate=5000000 pcq-classifier=dst-address				
	4	kind=pcq pcq-rate=5000000 pcq-classifier=src-address				
2 M	4.000	281473913981714	14:36:17	14:58:58	22:41	54.614
It is required to make a web server on a private LAN visible on the Public Internet. Only the web server port should be visible to the public. Which of the following configuration steps must be met. (select all that apply)						
+	1	A route between the NAT Router and the webserver must exist				
+	2	In ip firewall NAT there should be a dst-nat between the public ip of the router and the private ip of the webserver				
+	3	Connection Tracking must be enabled on NAT router				
+	4	Public IP address of the webserver must be installed on the NAT Router				
3 S	4.000	281473913981714	14:37:28	14:37:42	00:14	13.397
The highest queue priority is ...						
	1	8				
	2	256				
	3	16				
+	4	1				
4 S	4.000	281473913981714	14:37:42	14:37:53	00:11	10.775
It is possible to create an encrypted PPPoE tunnel in RouterOS						
	1	False				
+	2	True				
5 S	4.000	281473913981714	14:37:53	14:38:35	00:42	42.344
Which configuration menu should you use to change router's Winbox default port?						
	1	/ip firewall filter				
	2	/ip firewall service-ports				
+	3	/ip services				
	4	/system resource				
6 S	4.000	281473913981714	14:38:35	14:39:19	00:44	43.472
Consider this topology:						
(192.168.1.0/24)RA(10.10.10.1) --- (10.10.10.2)RB(192.168.2.0/24)						
Static routing on RB has been properly configured.						
Which configuration should submitted on RA?						
	1	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.1				
+	2	/ip route add dst-address=192.168.2.0/24 gateway=10.10.10.2				
	3	/ip route add dst-address=0.0.0.0/0 gateway=10.10.10.1				
	4	/ip route add dst-address=10.10.10.0/24 gateway=10.10.10.2				
7 S	4.000	281473913981714	14:39:19	14:39:40	00:21	20.937
Which route will be used to reach host 192.168.1.55?						
/ip route						
add disabled=no distance=1 dst-address=192.168.1.0/24 gateway=1.1.1.1						
add disabled=no distance=1 dst-address=192.168.1.0/25 gateway=2.2.2.2						
add disabled=no distance=1 dst-address=192.168.0.0/16 gateway=3.3.3.3						
+	1	Route via gateway 2.2.2.2				
	2	Route via gateway 1.1.1.1				

**School name**first row
second row
third row

	3	Route via gateway 3.3.3.3				
8 S	4.000	281473913981714	14:39:40	14:39:59	00:19	18.629
	Which is the default port for IP-WINBOX?					
	1	TCP/8192				
+	2	TCP/8291				
	3	UDP/8291				
	4	TCP/80				
9 S	4.000	281473913981714	14:39:59	14:40:14	00:15	15.437
	How many wireless clients can connect, when wireless card is configured to mode=bridge?					
	1	1024				
	2	2				
	3	Unlimited				
+	4	1				
10 S	4.000	281473913981714	14:40:14	14:40:35	00:21	20.563
	Is it possible to limit how many clients are able to connect to an access point?					
	1	No it's not possible at all				
	2	Yes, but only with access-lists				
+	3	Yes				
11 S	4.000	281473913981714	14:40:35	14:40:47	00:12	12.395
	You want to share the same user and password for different computers at the same time. Which menu is used for configuration?					
+	1	/ip hotspot user profile				
	2	/ip hotspot walled-garden				
	3	/ip hotspot profile				
	4	/ip hotspot ip-binding				
12 S	4.000	281473913981714	14:40:47	14:41:55	01:08	67.396
	Which of the protocols below is used by Netinstall?					
+	1	BOOTP				
	2	ARP				
	3	RARP				
	4	DHCP				
13 S	4.000	281473913981714	14:41:55	14:42:19	00:24	23.59
	You have a router with these configuration: Public IP Address : 124.81.122.92/28 Default Gateway : 124.81.122.81 DNS Server : 124.81.122.91 Local IP Address : 192.168.2.1/24 Mark the correct configuration on client PC to access the Internet!					
	1	IP Address: 192.168.2.253/24 Default Gateway: 124.81.122.92				
	2	IP Address: 192.168.1.233/24 Default Gateway: 124.81.122.91				
	3	IP Address: 192.168.0.1/24 Default Gateway: 192.168.2.1				
+	4	IP Address: 192.168.2.115/24 Default Gateway: 192.168.2.1				
14 S	4.000	281473913981714	14:42:19	14:43:47	01:28	88.58
	A wireless interface 'wlan1' is added to a bridge interface 'br-lan'. To enable dhcp-server for wireless interface 'wlan1', on which interface should dhcp-server can be configured?					
	1	The dhcp-server cannot be enabled neither on 'wlan1', nor on 'br-lan'				
+	2	On 'br-lan'				
	3	On both 'br-lan' and 'wlan1'				
	4	On 'wlan1'				
15 S	4.000	281473913981714	14:43:47	14:43:58	00:11	10.903
	What is necessary for PPPoE client configuration?					
	1	ip firewall nat masquerade rule				
+	2	Interface (on which PPPoE client is going to work)				
	3	Static IP address on PPPoE client interface				
16 M	4.000	281473913981714	14:43:58	14:44:44	00:46	45.473
	What does the firewall action "redirect" do?					
+	1	Redirect a packet to another host in the network				
+	2	Redirect a packet to a specific port in the router				



School name

first row

second row

third row



	+	3	Redirect a packet to a specific gateway			
	+	4	Redirect a packet to the router			
17 S	4.000	281473913981714	14:44:44	14:46:30	01:46	106.155
	Router A and B are both running as PPPoE servers on different broadcast domains of your network. It is possible to set Router A to use "/ppp secret" accounts from Router B to authenticate PPPoE customers.					
	+	1	False			
		2	True			
18 S	4.000	281473913981714	14:46:30	14:46:47	00:17	16.275
	MikroTik RouterOS commands can be run once a day by:					
		1	/system cron			
	+	2	/system scheduler			
		3	/system watchdog			
19 S	4.000	281473913981714	14:46:47	14:47:18	00:31	31.06
	Static ARP for IP Address 192.168.1.2 has been set on MikroTik Router as gateway, and interface ARP set to reply-only. A PC with IP 192.168.1.2 can access internet. When the PC Ethernet Card failed, the user change it with new card and set the same IP for it. What else should be done to keep Internet connection work for this PC?					
		1	Another IP has to be added on the PC for Internet access			
		2	MAC-Address of the new card has to be changed to gateway's MAC			
	+	3	Old static ARP entry on MikroTik Router has to be updated for the new card's MAC			
		4	Nothing – it will work as before			
20 S	4.000	281473913981714	14:47:18	14:47:53	00:35	34.675
	You have a DHCP server on your MikroTik router. The IP Addresses 10.1.2.1-10.1.2.20 are distributed in the DHCP network. After a while 20 more IP Addresses need to be distributed in the network. It is possible to distribute the extra IP Addresses without adding another DHCP Server.					
	+	1	True			
		2	False			
21 S	4.000	281473913981714	14:47:53	14:48:17	00:24	23.957
	Can you manually add drivers to RouterOS in case your PCI Ethernet card is not recognized, and you suspect it is a driver issue?					
	+	1	No			
		2	Yes			
22 S	4.000	281473913981714	14:48:17	14:49:05	00:48	47.938
	Which wireless mode allows you to connect to any standard AP (not only MikroTik) and to be able to bridge this wireless interface to an Ethernet?					
		1	station-wds			
		2	station-bridge			
		3	station			
	+	4	station-pseudobridge			
23 S	4.000	281473913981714	14:49:05	14:49:33	00:28	27.869
	Which firewall chain should you use to filter clients HTTP traffic going through the router?					
		1	input			
		2	prerouting			
	+	3	forward			
		4	output			
24 S	4.000	281473913981714	14:49:33	14:49:50	00:17	16.685
	How many different priorities can be selected for queues in MikroTik RouterOS?					
	+	1	8			
		2	0			
		3	16			
		4	1			
25 S	4.000	281473913981714	14:49:50	14:50:16	00:26	26.36
	Which type of encryption could be used to establish a connection with a simple passkey without using a 802.1X authentication server?					
		1	WPA EAP / WPA2 EAP			
	+	2	WPA PSK / WPA2 PSK			