TEST

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

surname:	1672079	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA	
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**		

#	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

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

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

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

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

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

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

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

	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

	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

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

surname:	1672079	(Reg Genap 2018-2019) AdminJar-A: TryOut-2-MTCNA
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**	

#	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

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

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

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

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

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

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

		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

	+	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

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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

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

	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

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

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

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

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

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

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

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

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

+	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.

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

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

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

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

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

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
5 S	4.000	281473913981713	13:25:02	13:25:20	00:18	17.494

For static routing fuctionally 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

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

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

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

		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				

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					

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

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

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

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
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 neccesary package you need to install?

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

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

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

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

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

		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

	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

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

surname:	1672035	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
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**	

#	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

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

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
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 neccesary package you need to install?

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

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

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

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

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 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

+	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

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

surname:	1672065	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
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**	

#	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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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.

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

+	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

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

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

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

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
4 S	4.000	281473913981704	14:40:21	14:40:56	00:35	35.094

For static routing fuctionally 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

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

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

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

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

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

```
/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

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

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

surname:	1672001	(Reg Genap 2018-2019) AdminJar-A: TryOut-1-MTCNA
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**	

#	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

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?				

	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

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?

		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

	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				

test: (Reg Genap 2018-2019) AdminJar-A: TryOut-3-MTCNA	
surname: 1672079	(Reg Genap 2018-2019) AdminJar-A: TryOut-3-MTCNA
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	

#	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 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

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

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

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

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

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

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

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

	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

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

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

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

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

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

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

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

	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

	+	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

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

#	points	IP	start	end	time	reaction
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.

#	points	IP	start	end	time	reaction
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)

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
5 S	4.000	281473913981713	13:25:02	13:25:20	00:18	17.494

For static routing fuctionally 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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

	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				

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					

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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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 neccesary package you need to install?

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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

#	points	IP	start	end	time	reaction
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

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

		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				

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

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

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
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 neccesary package you need to install?

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

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

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

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

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 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

	+	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

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

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

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

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

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

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

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

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

+	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.

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

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

		(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**	

#	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

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

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

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

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

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

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

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

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

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

	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

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

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

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

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

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

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

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

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

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

+	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 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

		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

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

		(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**	

#	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)

+	1	LAN address of the webserver should be routable on the internet
+	2	A route between the NAT Router and the webserver must exist
+	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

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

	1	Check the "Do not permit unknown client" box in the wireless configuration
	2	Configure the radius server under "/radius"
	3	Add each known client's MAC address to your access-list configuration is the only step needed
+	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
	5	Uncheck "Default Authenticate" in the wireless card configuration, and add each known client's MAC address to your connect-list configuration

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

	1	False
+	2	True

#	points	IP	start [hh:mm:ss]	end [hh:mm:ss]	time [mm:ss]	reaction [sec]
4 S	4.000	281473913981698	14:40:01	14:40:05	00:04	3.261

MAC Address defined in … of OSI Model

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

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

	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=src-address

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

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

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

+	1	dhcp
+	2	wireless
+	3	system
+	4	routing
+	5	advanced-tools

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

	1	/system resource

	+	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				

	+	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