

Networks Fundamentals Exam Intake (43)

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*مطلوب

(Questions (35Q

Choose the best correct answer for each question -
You should submit your answers before the end of time or your answers will NOT be -
uploaded
GOOD LUCK -



* If the default gateway is configured incorrectly on the host, what is the impact in ?communications

- the host is unable to communicate on the local network ☐
- the host can communicate with others on the local network, but is unable to communicate with hosts on remote networks ☒
- the host can communicate with others on the remote network, but is unable to communicate with hosts on local networks ☐
- there is no impact on communication ☐

* .Identify which of the services below use both TCP and UDP ports

- FTP ☐
- DNS ☒
- SSH ☐
- Telnet ☐

* :Which range of ports numbers identifies all well-known applications

0 to 255 ☒

0 to 1023 ☐

1024 to 2047 ☐

256 to 1022 ☐

* We MUST use a domain name server (DNS) to connect to a webserver on the-31 internet

TRUE ☐

False ☒

* ensures that information is not revealed to unauthorized persons

Confidentiality ☒

Integrity ☐

Accountability ☐

Availability ☐

* :TCP stands for

Telecommunication Control Protocol ☐

Transmission Control protocol ☒

Transport Control Protocol. ☐

Traffic Connection Protocol. ☐

* Which of the following is a weakness in an information system that an attacker might leverage to gain unauthorized access to the system or data on the system

- Risk ☐
- Exploit ☐
- Mitigation ☐
- Vulnerability ☒

* ?What information is added during encapsulation at OSI layer 4

- source and destination MAC address ☐
- source and destination IP address ☐
- source and destination port number ☒
- source and destination application protocol. ☐

* ?To test the IP stack on your local host, which IP address would you ping

127.0.0.0 ☐

1.0.0.127 ☐

127.0.0.1 ☒

255.255.255.255 ☐

* ?Which of the following cable types supports the highest bandwidth

Coaxial ☐

wireless ☐

Fiber Optic ☒

UTP ☐

- * You want to implement a mechanism that automates the IP configuration. Which protocol will you use to accomplish this

DNS ☐

SNMP ☐

DHCP ☒

ARP ☐

- * You are an administrator and responsible of publicly accessible web server on the internet . Can you assign the IP address 10.213.214.215 to the server

True ☒

False ☐

* ?The TCP/IP Protocol Suite modern model consists from Layers

slide 19
tcp/ip original -> 4
tcp/ip updated -> 5

4 ☐

5 ☒

7 ☐

9 ☐

* ?What is the name of the attack method that can be used to crack passwords

DOS attack ☐

Brute force attack ☒

Smurf attack ☐

Spam ☐

* A DNS is needed to map

Network address into a MAC address ☐

Network address into a domain name ☒

Computer name into a MAC address ☐

Domain name into a MAC address. ☐

* Which of the following terms are not valid terms for the names of the seven OSI
?layers

Application ☐

Data link ☐

Presentation ☐

Internet ☒

slide 26

- Mail Protocols * When using POP3 protocol, internet connection is needed all the time
 - > SMTP (send mail transfer Protocol)
- send messages back and forth to other Mail Servers or Email Clients
 - > POP3 "Post Office Protocol version 3"
- the Email Client contacts the Mail Server to collect email messages
- Download messages on the hard disk
- can work Offline
- Keep the user's quota on the server
 - > IMAP4 "Internet Message Access Protocol version 4"
- Retrieve only message header

~~True~~ ☒False ☐

* is used to map IP address into MAC address

ICMP ☐ARP ☐IGMP ☐DNS ☐

*

Sequence number is a mechanism used by TCP to provide flow control as segment travel from source to destination

True ☒False ☐

* The loopback address can be used to send a packet from the to

Host; all other hosts ☒

Router; all other hosts ☐

Host; a specific host ☐

Host; itself ☐

* In case you have a little inbox storage which of the following protocols can be used in e-mail service to keep your storage on the mail server always available

IMAP4 ☐

POP3 ☐

SMTP ☐

Outlook ☒

* The protocol used to send emails from host to mail server is

IMAP2 ☐

SEND ☐

SNMP ☐

SMTP ☒

* SSH protocol uses port 21

True ☐

False ☒

* Host A receives a frame and discard it after determining that it is corrupt, at which ?OSI layer are frame checked for errors

Application Layer ☐

physical Layer ☐

Network Layer ☐

Data Link Layer ☒

* In which class the IP address 92.168.1.1 exists

Class A ☒

Class B ☐

Class C ☐

Class D ☐

* ?What is the command used to view the ARP cache on my PC

ARP -a ☒

ARP -c ☐

ARP -s ☐

ARP -print ☐

* The unit of communication at the physical layer isand in the data
..... link layer is

Bits, frames ☒

Frames, bits ☐

Segment, frames ☐

Bits, Packets ☐

* ?Which layer of the OSI model is responsible for data encoding

Application Layer ☐

Presentation Layer ☒

Network Layer ☐

Data Link Layer ☐

* The process of a web server adding a TCP header to a web page, followed by adding an IP header, and then a data link header and trailer is an example of ?what

Data encapsulation ☒

Same-layer interaction ☐

The OSI model ☐

All of these answers are correct. ☐

* ?What actions does the host do when the DHCP server is down

- it will have the same IP ☐
- it will haven't any IP ☐
- it will use APIPA range (169.254.X.X) ☒
- it will show an error ☐

* Which of the following connectivity device(s) typically work at the network layer of
?the OSI model

- Hubs ☐
- Routers ☒
- Switches ☐
- Repeaters ☐

* For allowing computers to communicate on the same network using TCP/IP,
?which of the following settings must be configured for each computer

Default Gateway ☐

IP address ☒

Router ☐

DNS server address ☐

* :The default mask for Class B network is

255.255.255.255 ☐

255.255.255.0 ☐

255.255.0.0 ☒

255.0.0.0 ☐

* When we apply the command “ipconfig” on a MS Windows based computer, the output is

IP, Subnet Mask, and Default Gateway ☐

IP, Subnet Mask, DNS and MAC address ☐

IP, Subnet Mask, Default Gateway, DNS and MAC address ☒

Nothing or bad command ☐

* TCP usefor connection establishment

Three way handshake ☐

Four way handshake ☐

Two way handshake ☒

Nothing ☐

محو النموذج

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