

Networks Fundamentals Exam Intake (43)

تم حفظ المسودة.



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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

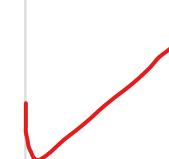
Domain name into a MAC address.

* 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

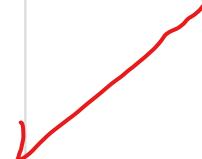
The OSI model

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

إرسال

رجوع

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