

# Networks Fundamentals Exam Intake (44)

- EXAM TIME FROM 9:00AM TO 9:30AM
- You MUST submit your answers before the end of time OR your answers will NOT be uploaded
- Online Search is not allowed
- It is not allowed to leave the exam room before the end of time
- GOOD LUCK



\* Indicates required question

Email \*

Your email

Name \*

Your answer



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Track \*

Your answer

Branch \*

Your answer

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

- Q Data encapsulation
- Q Same-layer interaction
- Q OSI model
- Q All of these answers are correct.



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

- Q source and destination MAC address
- Q source and destination IP address
- (2) source and destination application protocol.
- Q source and destination port

3.Availability is considered one of the security goals and it means ensuring that \*  
illegitimate users are not denied access to information and resources.

- Q True
- Q False



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

Q Application

Q Data link

Q Presentation

Q Internet

5.A hash can be used to provide confidentiality of data \*

Q true

Q false

6.In which class the IP address 92.168.1.1 exists \*

Q Class A

Q Class B

Q Class C

Q Class D

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7. An intrusion detection system (IDS) is primarily designed to perform what function? \*

Q Test a system for vulnerabilities

Q Detect abnormal activity

Q Rate system performance

Q Detect system failures

8- You want to implement a mechanism that automates the IP configuration. \*

Which protocol will you use to accomplish this?

Q DNS

Q SMTP

Q DHCP

Q ARP



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9.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?

Q Vulnerability

Q Mitigation

Q Exploit

Q Risk

10.Which of the following usually observe each activity of the victim, gather all \* information in the background, and send it to someone else?

Q Spyware

Q Malware

Q Adware

Q None



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11. 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

12. the ISO/OSI model is a ... model for internetworking \*

Expensive

Conceptual

Real

Cheap



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

Q it will have the same IP

Q it will haven't any IP

(2) it will use APIPA range

Q it will show an error

14. UDP is characterized to be a ... protocol \*

Q Reliable

Q Best-effort delivery

Q Connection-oriented

Q The most commonly used over Internet



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15.Which of the following layers must be adapted to the transmission media type \*

Physical Layer

Network Layer

(2) Transport Layer

Data-Link Layer

16.In OSI model, which of the following layer provides errors free delivery of data? \*

data link

session

transport

network



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

FTP

Telnet

SSH

DNS

18. A \_\_\_\_\_ is a device that forwards packets between networks by processing the routing information included in the packet. \*

firewall

bridge

router

Hub



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

- O 0 to 255
- Q 0 to 1023
- Q 1024 to 2047
- Q 256 to 1022

20.What Port Does Telnet Use \*

- O 22
- O 80
- O 23
- O 113



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21.Which phase of hacking performs actual attack on a network or system? \*

- Q Reconnaissance
- Q Maintaining Access
- (2) Scanning
- Q Gaining Access

22-The protocol used to send emails from host to mail server is ..... \*

- Q smtp
- O p°p3
- Q imap
- O ppp

23- We must use a domain name server to connect to internet \*

- O True
- O False

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24- The length of the IPv4 address is ... bits \*

8

4

32

64

25- SSH protocol uses port 21 \*

True

False

26-TCP is used for situations where some data loss is acceptable, like live video/audio, or where speed is a critical factor like online gaming \*

True

False



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27- ..... is used to map IP address into MAC address \*

arp

RARP

IGMP

ICMP

28-Layer 2 Switches are depending on mac address to transfers messages \*

True

False

29-When using POP3 protocol, internet connection is needed all the time \*

True

False



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30- NETSTAT command can be used to ..... \*

Q Test the network connectivity between machines

Q Display the machine connections in IP/port

(2) Correct the packet errors in header and data

Q Delete the default addresses of packets

31. The default mask for Class B network is \*

O 255.255.255.255

O 255.255.255.0

O 255.255.0.0

Q 255.0.0.0

32. 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?

O True

Q False

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33. We MUST use a domain name server (DNS) to connect to a webserver on the internet \*

True

False

34. 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



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35. The unit of communication at the physical layer is .....and in the data link layer is .....

Q Bits, frames

Q Frames, bits

Q Segment, frames

Q Bits, Packets

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