

QUESTION 1

Multiple choice question (1/1 MARKS)

Which of these protocols is used to run system commands on a device and is used for remote administration?

- ☐ A. SMTP
- ☐ B. IMAP
- ☐ C. VOIP
- ☒ D. Telnet

👏 That's right!

Solution

Correct answer : D

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QUESTION 2

Multiple choice question (1/1 MARKS)

What is the '.com' in 'www.facebook.com.' called?

- ☐ A. Authoritative Name
- ☒ B. Top Level Domain
- ☐ C. Second Level Domain
- ☐ D. None of the above

👏 Bravo! Correct answer.

Solution

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QUESTION 3

Multiple choice question (1/1 MARKS)

Which port does the SMTP service run on?

- ☐ A. 443
- ☐ B. 21
- ☐ C. 20
- ☒ D. 25

🎉 Bravo! Correct answer.

Solution

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QUESTION 4

Multiple choice question (1/1 MARKS)

Which of these are uses of a proxy server?

- ☐ A. To block malicious traffic
- ☐ B. To monitor web traffic
- ☐ C. To bypass browsing restrictions
- ☐ D. To hide IP address from the receiver
- ☒ E. All of the above

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QUESTION 5

Multiple choice question (1/1 MARKS)

Mohit thinks that checking a website for vulnerabilities, without permission, will land him in jail.

- ☒ A. True
- ☐ B. False

👏 Bravol! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

Even if your intentions are ethical, checking a website without authorisation is a criminal offence.

QUESTION 6

Multiple choice question (1/1 MARKS)

When the security expert gets complete assistance from the organisation it is known as _____.

- ☐ A. Black Box Testing
- ☒ B. White Box Testing
- ☐ C. Grey Box Testing

👏 Excellent! Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

QUESTION 7

Multiple choice question (1/1 MARKS)

TCP is _____.

- ☒ A. Connection Oriented
- ☐ B. Connectionless

Perfect! You got this right.

Solution

Correct answer : A

Your answer : A

Explanation

TCP is connection-oriented because connections must be established before the transmission begins and destroyed when the communication finishes. Whereas, UDP is connectionless and no connection has to be created or destroyed before communication. The data is simply sent and if it gets lost, it is just retransmitted.

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QUESTION 8

Multiple choice question (0/1 MARKS)

Milit needs a document to be printed. So he sends the file to the printer. What node is the printer behaving as in this case?

- ☐ A. Client
- ☒ B. Server

Incorrect answer.

Solution

Correct answer : B

Your answer : A

Explanation

You are requesting a print job and the printer is giving you the print service. Hence, the printer is a server in this case.

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QUESTION 9

Multiple choice question (0/1 MARKS)

The goal of grey box testing is to see how a malicious hacker can harm the organisation without any assistance from the organisation.

- ☒ A. True
- ☐ B. False

Incorrect answer.

Solution

Correct answer : B

Your answer : A

Explanation

The goal of grey box testing is to see how a hacker who has some basic knowledge about the organisation can harm the organisation. When there is zero assistance, it is known as a black box exercise.

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QUESTION 10

Multiple choice question (1/1 MARKS)

An NDA is signed by both the parties and it simply describes the testing activity and the steps that will be taken.

- ☐ A. True
- ☒ B. False

Bravoi Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

MoU describes the testing activity and the steps that will be taken during the testing, whereas NDA or non disclosure agreement is signed by both the parties, where both the parties agree that they will not disclose any details of the exercise, such as cost, vulnerabilities found, details of researchers, etc.

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QUESTION 11

Multiple choice question (1/1 MARKS)

A client understands the requests, processes the requests, and then generates the responses.

- ☐ A. True
- ☒ B. False

Well done! Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

A server captures requests sent by the client, understands these requests, processes them, generates suitable responses and the delivers the data or service. For example, in the case of visiting google.com, you are the client and the device on the other end that processes your search request and sends you the results as response is the server.

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QUESTION 12

Multiple choice question (1/1 MARKS)

Sumit is a security expert. He was hired by an organisation to test their applications. But he had to do it from within the premises of the organisation. What is the term used for such an exercise.

- ☒ A. Internal Testing
- ☐ B. External Testing

Well done! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

When the security expert tests the application from the premises of the organisation, it is called internal testing and when the security expert tests the application from outside the premises of the organisation, it is called external testing.

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QUESTION 13

Multiple choice question (1/1 MARKS)

Hackers who help organisations in finding loopholes and securing their data are known as _____.

- ☐ A. Black Hat Hackers
- ☒ B. White Hat Hackers
- ☐ C. Grey Hat Hackers

Excellent! Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

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QUESTION 14

Multiple choice question (1/1 MARKS)

Which of the following can be correctly described as the job of the Domain Name System?

- ☐ A. Convert human friendly domain names to respective IP addresses of the server
- ☐ B. Helps in backtracking an IP address back to its domain name (reverse DNS)
- ☐ C. Helps servers in maintaining and handling dynamic IP addresses so that the domain always points to the IP address at the specific time of request
- ☒ D. All of the above

Excellent! Correct answer.

Solution

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QUESTION 15

Multiple choice question (0/1 MARKS)

Which of the following is a valid port number?

- ☒ A. 65536
- ☒ B. 0
- ☐ C. 1.2
- ☐ D. 95663

Incorrect answer.

Solution

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QUESTION 16

Multiple choice question (1/1 MARKS)

A node that requests for data or service is called a _____.

- ☒ A. Client
- ☐ B. Server

Bravo! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

If a node requests for some data or service, it is called a client, while if the node provides data or services it is called a server. For example, when you download a game from the playstation network (PSN), your playstation is the client and the computers on the PSN that are serving the game, play the role of servers i.e they accept requests, process them

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QUESTION 17

Multiple choice question (1/1 MARKS)

What does WAN stand for?

- ☐ A. Wide Area Networking
- ☐ B. Wide Access Network
- ☒ C. Wide Area Network
- ☐ D. None of the above

👏 Bravo! Correct answer.

Solution

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QUESTION 18

Multiple choice question (1/1 MARKS)

Radio channels such as 93.5, 98.3, etc. are examples of which of these types of networks?

- ☒ A. MAN
- ☐ B. LAN
- ☐ C. WAN
- ☐ D. None of the above

👏 Well done! Correct answer.

Solution

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QUESTION 19

Multiple choice question (1/1 MARKS)

In www.facebook.com, the server that represents the "a" at the end signifies which of these?

- ☐ A. Top Level Domain Server
- ☐ B. Authoritative Server
- ☐ C. Domain Name Server
- ☒ D. Root Name Server

Well done! Correct answer.

Solution

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QUESTION 20

Multiple choice question (1/1 MARKS)

Which layer in the OSI model attaches the source and destination MAC addresses?

- ☐ A. Physical Layer
- ☐ B. Transport Layer
- ☒ C. Data Link Layer
- ☐ D. Network Layer

Bravo! Correct answer.

Solution

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QUESTION 21

Multiple choice question (0/1 MARKS)

DNS protocol uses TCP because it needs to be reliable.

- ☐ A. True
- ☒ B. False

Incorrect answer.

Solution

Correct answer : B

Your answer : A

Explanation

DNS protocol is based upon UDP since UDP is fast and unreliable. Why it is okay to be unreliable is because when your device makes a UDP request to resolve a domain like google.com, the response must come immediately in milliseconds instead of taking time to create complete connection. If a packet drops which is common with UDP, the request can

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QUESTION 22

Multiple choice question (1/1 MARKS)

NAT stands for _____.

- ☐ A. Network Area Transformation
- ☐ B. Network Area Translation
- ☒ C. Network Address Translation

That's right!

Solution

Correct answer : C

Your answer : C

Explanation

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QUESTION 23

Multiple choice question (1/1 MARKS)

What is the subdomain in the following address: cdn.videos.facebook.com.

- ☐ A. facebook
- ☒ B. videos
- ☐ C. com
- ☐ D. None of the above

Perfect! You got this right.

Solution

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QUESTION 24

Multiple choice question (1/1 MARKS)

UDP is reliable

- ☐ A. True
- ☒ B. False

Perfect! You got this right.

Solution

Correct answer : B

Your answer : B

Explanation

TCP is reliable while UDP is not. In TCP the sender sends the packet, then waits for confirmation from the receiver, telling if the packet was fine or not. If the receiver tells that the packet did not come or was damaged, in TCP, it is retransmitted. This is done for each packet and until packet 1 does not reach properly packet 2 is not sent. This makes

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QUESTION 25

Multiple choice question (1/1 MARKS)

Anaya attempts to make false payments and tries to deface a website as a profession. What category of hacking will this come under?

- ☒ A. Black Hat Hacking
- ☐ B. White Hat Hacking

👏 Bravo! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

Attempting to hijack online accounts of users or attempting to make false payments on websites is referred to as black hat hacking and is considered a cyber crime.

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QUESTION 26

Multiple choice question (1/1 MARKS)

Which layer of the OSI model is used to convert all data into electrical signals?

- ☐ A. Transport Layer
- ☐ B. Application Layer
- ☐ C. Network Layer
- ☒ D. Physical Layer

👏 Perfect! You got this right.

Solution

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QUESTION 27

Multiple choice question (1/1 MARKS)

ICMP protocol is used for which of these purposes?

☐ A. For assigning IP address

☒ B. For deliverability and debugging

☐ C. For conversion between IP and MAC addresses

☐ D. None of the above

👏 That's right!

Solution

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