

Question 1

Partially correct

Mark 0.25 out of 1.00

Flag question

Which of the following are service layers of cloud computing

Select one:

- ☐ a. Software as a service, platform as a service, and infrastructure as a service.
- ☒ b. Data as a service, media as a service, software as a service ✓
- ☐ c. Media as a service, software as a service, platform as a service, and infrastructure as a service.
- ☐ d. Software as a service, platform as a service, data as a service, and infrastructure as a service.
- ☐ e. Data as a service and media as a service

The correct answer is: Software as a service, platform as a service, and infrastructure as a service.

Question 2

Incorrect

Mark 0.00 out of 1.00

Flag question

What network succeeded ARPANET?

Select one:

- ☐ a. DARPANET
- ☐ b. EBONE
- ☐ c. NSFNET
- ☒ d. TELNET ✗
- ☐ e. EuropaNET

The correct answer is: NSFNET

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Which of the following protocols are in the transport layer of the TCP/IP reference model.

Select one:

- ☐ a. TCP, IP and IPsec
- ☐ b. TCP and ARP
- ☐ c. TCP and IP
- ☐ d. TCP and DNS
- ☒ e. TCP and UDP ✓
- ☐ f. TCP and HTTP

The correct answer is: TCP and UDP

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Select the OSI layer that establishes and maintains a logical connections between application programs on different computers.

Select one:

- ☐ a. Data Link Layer
- ☐ b. Application Layer
- ☐ c. Network Layer
- ☐ d. Physical Layer
- ☒ e. Presentation Layer ✗
- ☐ f. Session Layer
- ☐ g. Transport Layer

The correct answer is: Session Layer

Question 5

Incorrect

Mark 0.00 out of 1.00

Flag question

A root name server supports ... queries.

Select one:

- ☐ a. iterative
- ☐ b. peer-to-peer
- ☒ c. distributed ✗
- ☐ d. recursive

The correct answer is: iterative

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

What is the domain name of the host with the IP address 130.56.60.81?

Select one:

- ☐ a. horus.anu.edu.au
- ☒ b. surat.anu.edu.au ✓
- ☐ c. facilities.anu.edu.au
- ☐ d. isis.anu.edu.au

The correct answer is: surat.anu.edu.au

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

What is the IP address of an authoritative name server for www.wikimedia.org?

Select one:

- ☐ a. 91.197.173.238
- ☐ b. 208.56.174.19
- ☒ c. 208.80.153.231 ✓
- ☐ d. 91.23.163.237

The correct answer is: 208.80.153.231

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

What does the SSID field in a wireless network represent?

Select one:

- ☒ a. network identification ✓
- ☐ b. relative signal strength
- ☐ c. access point address

The correct answer is: network identification

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

What protocol is normally used to assign a dynamic IP address to a device?

Select one:

- ☐ a. ARP
- ☐ b. DNS
- ☐ c. IMAP
- ☒ d. DHCP ✓
- ☐ e. SMTP

The correct answer is: DHCP

Question 2

Correct

Mark 1.00 out of 1.00

Remove flag

What is an advantage of RTP over UDP for VOIP communication?

Select one:

- ☐ a. Reduced network traffic
- ☐ b. Multicasting
- ☐ c. Compression
- ☒ d. Sequencing ✓

The correct answer is: Sequencing

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Which protocol is used by a mail client to retrieve email from a mail server?

Select one:

- ☒ a. IMAP ✓
- ☐ b. DHCP
- ☐ c. SMTP
- ☐ d. POP
- ☐ e. HTTP

The correct answer is: IMAP

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Which device is used to connect computers to each other on the same LAN (e.g., on your home network).

Select one:

- ☐ a. Access point
- ☐ b. Gateway
- ☐ c. Router
- ☒ d. Switch ✓

The correct answer is: Switch

Question 5

Incorrect

Mark 0.00 out of 1.00

Flag question

How can a browser check if a cached page is still valid?

Select one:

- ☐ a. Check the Status header
- ☐ b. Perform a conditional GET
- ☐ c. Use a proxy
- ☒ d. All listed options ✖

The correct answer is: Perform a conditional GET

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

Select one advantage of using a reverse proxy.

Select one:

- ☐ a. Can be used for hiding IP addresses of clients.
- ☒ b. Can be used for load balancing. ✔
- ☐ c. Can prevent tracking of clients.

The correct answer is: Can be used for load balancing.

Question 7

Incorrect

Mark 0.00 out of 1.00

Flag question

How does a router decide on which output line (or network interface) a particular packet is to be sent?

Select one:

- ☒ a. Uses the routing table IP packet header, and frame header. ✖
- ☐ b. Uses the routing table and ignores headers.
- ☐ c. Uses the routing table and frame header.
- ☐ d. Uses the routing table and IP packet header.

The correct answer is: Uses the routing table and IP packet header.

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

As defined in Roger's slides, which of the following is not a typical social media activity?

Select one:

- ☐ a. Collaboration
- ☐ b. Interaction
- ☒ c. Multicasting ✔
- ☐ d. Broadcasting

The correct answer is: Multicasting

Question 2

Partially correct
Mark 0.80 out of 1.00

Flag question

Select all examples of Harm to your interests that can result from the use of locational data (multiple selections possible).

Select one or more:

- ☒ a. Personal injury ✓
- ☒ b. Damage to property ✓
- ☒ c. Financial loss ✓
- ☒ d. Breach of personal data security ✓
- ☐ e. Inconvenience

The correct answer is: Financial loss, Damage to property, Personal injury, Inconvenience, Breach of personal data security

Question 3

Correct
Mark 1.00 out of 1.00

Flag question

Select cloud reliability issues that have been reported over the last few years (multiple selections possible).

Select one or more:

- ☐ a. Address volatility
- ☐ b. Lack of central control
- ☒ c. Outages ✓
- ☒ d. Safeguards ✓
- ☐ e. Scalability

The correct answer is: Outages, Safeguards

Question 4

Partially correct
Mark 0.30 out of 1.00

Flag question

Why is P2P attractive (multiple selections possible)?

Select one or more:

- ☐ a. Reduced dependence on devices and networks
- ☐ b. Mitigates over-grazing
- ☐ c. Malware resilient
- ☒ d. Absence of central control ✗
- ☒ e. Improved scalability ✓

The correct answer is: Reduced dependence on devices and networks, Improved scalability

Question 5

Partially correct
Mark 0.50 out of 1.00

Flag question

Select key concepts in the conventional security model (multiple selections possible).

Select one or more:

- ☒ a. Vulnerability ✓
- ☐ b. Prevention
- ☐ c. Detection
- ☐ d. Authentication
- ☐ e. Threat

The correct answer is: Threat, Vulnerability

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

What is an example of a DoS Attack?

Select one:

- ☒ a. Many pings ✓
- ☐ b. Network upscaling
- ☐ c. Network throttling
- ☐ d. Blocking of traffic

The correct answer is: Many pings

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Hashing a message provides the following service:

Select one:

- ☐ a. authentication
- ☒ b. integrity ✓
- ☐ c. confidentiality

The correct answer is: integrity

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

When signing a message using RSA, which key is used?

Select one:

- ☐ a. receiver's private key
- ☐ b. sender's public key
- ☐ c. receiver's public key
- ☒ d. sender's private key ✓

The correct answer is: sender's private key

Question 3

Incorrect

Mark 0.00 out of 1.00

Flag question

In the ACS Code of Ethics, which among the following has the lowest priority?

Select one:

- ☐ a. Integrity
- ☐ b. The image of the profession and the society
- ☐ c. Competence
- ☒ d. Confidentiality ✗

The correct answer is: The image of the profession and the society

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

An example of a symmetric key algorithm is:

Select one:

- ☒ a. DES ✓
- ☐ b. RSA
- ☐ c. MD5
- ☐ d. SHA1

The correct answer is: DES

Question 5

Incorrect

Mark 0.00 out of 1.00

Flag question

In AES, which of the following is a possible key size?

Select one:

- ☐ a. 192 bits
- ☒ b. 64 bits ✗
- ☐ c. 512 bits
- ☐ d. 32 bits
- ☐ e. 384 bits

The correct answer is: 192 bits

Flag this question for future reference

Question 6

Incorrect

Mark 0.00 out of 1.00

Flag question

How many keys are used in a public key algorithm?

Answer: 1 ✗

The correct answer is: 2

Question 7

Incorrect

Mark 0.00 out of 1.00

Flag question

When encrypting a signed message to ensure confidentiality, which key is used?

Select one:

- ☒ a. sender's private key ✗
- ☐ b. receiver's private key
- ☐ c. sender's public key
- ☐ d. receiver's public key

The correct answer is: receiver's public key

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

When decrypting an encrypted message using RSA, which key is used?

Select one:

- ☐ a. receiver's public key
- ☐ b. sender's private key
- ☒ c. receiver's private key ✓
- ☐ d. sender's public key

The correct answer is: receiver's private key

Question 9

Incorrect

Mark 0.00 out of 1.00

Flag question

An example of a passive attack is:

Select one:

- ☐ a. Replay
- ☒ b. Denial of service ✗
- ☐ c. Traffic analysis

The correct answer is: Traffic analysis

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

A Bluetooth device can be (select most accurate answer):

Select one:

- ☒ a. both a master to one device and a slave to another device at the same time ✓
- ☐ b. a slave
- ☐ c. a master

The correct answer is: both a master to one device and a slave to another device at the same time

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

If the IP address of a host is given by 150.203.164.35/8, what is the network part of the address?

Select one:

- ☐ a. 150.203.164
- ☐ b. 150.203
- ☐ c. 203.164.35
- ☒ d. 150 ✓
- ☐ e. 164.35
- ☐ f. 35
- ☐ g. 150.203.164.35

The correct answer is: 150

Question 3

Partially correct

Mark 0.50 out of 1.00

Flag question

A full TCP closing handshake (typically) is:

Select one:

- ☒ a. three way ✓
- ☐ b. five way
- ☐ c. four way
- ☐ d. two way

The correct answer is: four way

Question 4

Incorrect

Mark 0.00 out of 1.00

Flag question

Which two pieces of information identifies a socket in a TCP connection?

Select one:

- ☐ a. source IP address and destination IP address
- ☒ b. source port and destination port ✗
- ☐ c. port and IP address

The correct answer is: port and IP address

Question 5

Incorrect

Mark 0.00 out of 1.00

Flag question

Which of the following application layer protocols uses TCP as the primary transport layer protocol?

Select one:

- ☐ a. HTTP
- ☒ b. DNS ✗
- ☐ c. DHCP
- ☐ d. TFTP

The correct answer is: HTTP

Question 6

Correct

Mark 1.00 out of 1.00

Flag question

In CSMA/CA, the receiver of a frame sends an acknowledgement:

Select one:


- ☒ a. immediately ✓
- ☐ b. after a random amount of time

The correct answer is: immediately

Question 7

Correct

Mark 1.00 out of 1.00

 Flag question

In an Extended Service Set (ESS), the group of BSS's are connected to:

Select one:


- ☒ a. the same network ✓
- ☐ b. different networks

The correct answer is: the same network

Question 8

Correct

Mark 1.00 out of 1.00

 Flag question

In small businesses, typically, the following 802.11i mode of operation is used:

Select one:


- ☒ a. Pre-Shared Key (PSK) ✓
- ☐ b. 802.1X

The correct answer is: Pre-Shared Key (PSK)

Question 9

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following security standards is the least secure:

Select one:

- ☒ a. WEP ✓
- ☐ b. WPA
- ☐ c. 802.11i

The correct answer is: WEP