

AMCAT OSI, TCP/IP layers and protocols Questions

Question 1: Which of the following IP address class is Multicast A. Class B B. Class C C. Class D D. Class D

- A. Class A
- B. Class B
- C. Class C
- D. Class D

Answer: Option D

Question 2: How many layers are in the TCP/IP model?

- A. 4 layers
- B. 5 layers
- C. 6 layers
- D. 7 layers

Answer: Option A

Question 3: Which layers of the OSI model are host-to-host layers? A. B. C. D.

- A. Transport, Session, Presentation, Application
- B. Network, Transport, Session, Presentation
- C. Datalink, Network, Transport, Session
- D. Physical, Datalink, Network, Transport

Answer: Option A

Question 4: Repeater operates in which layer of the OSI model?

- A. Physical layer
- B. Data link layer
- C. Network layer
- D. Transport layer

Answer: Option A

Question 5: What is the address size of IPv6 ?

- A. 32 bit
- B. 64 bit
- C. 128 bit
- D. 256 bit

Answer: Option C

Question 6: MAC Address is the example of?

- A. Transport Layer
- B. Data Link Layer
- C. Application Layer
- D. Physical Layer

Answer: Option B

Question 7: Bridge works in which layer?

- A. Physical Layer
- B. Data Link Layer
- C. Network Layer
- D. None

Answer: Option B

Question 8: Gateway works in which layer?

- A. Physical layer
- B. Data Link Layer
- C. Network layer
- D. None

Answer: Option C

Question 9: Cooperating processes require an Interprocess Communication (IPC) mechanism that will allow them to exchange data and information. Which of the following options is/are the method(s) of Interprocess Communication(IPC)?

- A. Message passing
- B. Cooperation
- C. Shared memory
- D. Both 2 and 3
- E. Both 1 and 3

Answer: Option E

Question 10: Which of the following statements is incorrect?

- A. Bridge is a combination of hardware and software to link two similar network
- B. Gateway is a combination of hardware and software to link two different types of network.
- C. Bridges are faster than Routers
- D. Gateway operate at network and transport layer of the OSI model
- E. Both B and C

Answer: Option E