

Computer Networks Lab Quiz - MCQs

1-Mark Questions (100 Questions)

1. 1. Which command is used to test network connectivity?

- tracet
- ping
- netstat
- ipconfig

✓Answer: ping

2. 2. Which tool can capture live packet traffic?

- NS2
- XAMPP
- Wireshark
- Telnet

✓Answer: Wireshark

3. 3. What protocol does DNS primarily use?

- HTTP
- UDP
- TCP
- ICMP

✓Answer: UDP

4. 4. Which IP address is used as a default gateway?

- 255.255.255.0
- 10.0.0.3
- 127.0.0.1
- 8.8.8.8

✓Answer: 10.0.0.3

5. 5. Which of the following is a network simulation tool?

- Wireshark
- NS2
- XAMPP

- Tasklist

✓Answer: NS2

6. 6. Which command is used to test network connectivity?

- ipconfig
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✓Answer: ping

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✓Answer: NS2

2-Mark Questions (50 Questions)

101. 1. Why is UDP used for DNS instead of TCP?

- Guaranteed delivery
- Lower overhead and faster query response
- Higher reliability
- Authentication

✓Answer: Lower overhead and faster query response

102. 2. What does a TTL value in tracert output signify?

- Time to live of the packet
- Total transmission length
- Transmission transport limit
- Trace time length

✓Answer: Time to live of the packet

103. 3. What does 'netstat -an' display?

- Active connections and listening ports
- MAC addresses
- IP address
- User accounts

✓Answer: Active connections and listening ports

104. 4. What would happen if the TCP congestion window is too small?

- No effect
- More UDP packets
- Lower throughput
- Higher security

✓Answer: Lower throughput

105. 5. What does 'dig www.google.com' show in Wireshark?

- FTP login data
- DNS query and response packets
- TCP congestion stats
- ARP broadcast

✓Answer: DNS query and response packets

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- User accounts
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- MAC addresses
- IP address

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