# Top 100 Networking MCQs with Answers (For LTIMindtree CIS Training Exam)

1. Which layer of the OSI model is responsible for routing?
   Answer: Network Layer

2. What does TCP stand for?
   Answer: Transmission Control Protocol

3. Which device operates at Layer 2 of the OSI model?
   Answer: Switch

4. What is the default subnet mask of a Class C network?
   Answer: 255.255.255.0

5. Which protocol is used to translate domain names to IP addresses?
   Answer: DNS

6. Which layer of the OSI model ensures reliable transmission?
   Answer: Transport Layer

7. Which command is used to test connectivity between two hosts?
   Answer: ping

8. Which protocol dynamically assigns IP addresses to hosts?
   Answer: DHCP

9. Which IP class has default mask 255.255.0.0?
   Answer: Class B

10. What is the range of private IP addresses in Class C?
    Answer: 192.168.0.0 – 192.168.255.255

11. Which protocol is connection-oriented?
    Answer: TCP

12. What is the maximum number of hosts in /24 network?
    Answer: 254

13. Which device connects different networks together?
    Answer: Router

14. Which protocol is used for file transfer?
    Answer: FTP

15. What is the purpose of ARP?
    Answer: To map IP addresses to MAC addresses

16. Which layer deals with encryption and decryption?
    Answer: Presentation Layer

17. What is the function of ICMP?
    Answer: Error reporting and diagnostics

18. Which port does HTTP use?
    Answer: 80

19. Which protocol is used for secure web communication?
    Answer: HTTPS

20. What is the function of a default gateway?
    Answer: To route traffic to other networks