



Free Network+ Practice Test

Free Network+ Practice Test Online - N10-008 & N10-009

30 Questions + Answer Explanations

✓ Updated 2026

☐ Strategy Box for each question

🔑 Answer Key Included

1

What is the default subnet mask for a Class C IP address?

A 255.0.0.0

B 255.255.0.0

C 255.255.255.0

D 255.255.255.255

STRATEGY BOX:

Class C default mask is 255.255.255.0. Remember: Class A = 255.0.0.0, Class B = 255.255.0.0, Class C = 255.255.255.0.

✓ Correct Answer: C. 255.255.255.0

2

Which port is used by HTTP?

A 21

B 22

C 80

D 443

STRATEGY BOX:

HTTP uses port 80. HTTPS uses 443. Common ports are frequently tested in networking exams.

✓ Correct Answer: C. 80

3

Which command tests connectivity between two hosts?

A ipconfig

B ping

C tracert

D netstat

STRATEGY BOX:

Ping uses ICMP echo requests to test connectivity. If you get a reply, the host is reachable.

✓ Correct Answer: B. ping

4

What is the CIDR notation for subnet mask 255.255.255.0?

A /16

B /24

C /8

D /32

STRATEGY BOX:

255.255.255.0 has 24 network bits (8+8+8). CIDR notation is /24.

✓ Correct Answer: B. /24

5

Which port is used for HTTPS?

A 80

B 443

C 21

D 25

STRATEGY BOX:

HTTPS (HTTP Secure) uses port 443 with SSL/TLS encryption. HTTP uses port 80.

✓ Correct Answer: B. 443

6

What does tracert primarily show?

A DNS records

B Route path to destination

C MAC addresses

D Port status

STRATEGY BOX:

Tracert (traceroute) shows each hop (router) between source and destination.

✓ Correct Answer: B. Route path to destination

7

Which port is used for SSH?

A 22

B 23

C 110

D 443

STRATEGY BOX:

SSH (Secure Shell) uses port 22 for encrypted remote access. Telnet (port 23) is unencrypted.

✓ Correct Answer: A. 22

8

What is the broadcast address of 192.168.1.0/24?

A 192.168.1.1

B 192.168.1.255

C 192.168.1.254

D 192.168.0.255

STRATEGY BOX:

In a /24 network, the broadcast address is the last IP; network address .0, broadcast .255.

✓ Correct Answer: B. 192.168.1.255

9

Which tool displays the IP configuration?

A ping

B tracert

C ipconfig

D nslookup

STRATEGY BOX:

ipconfig (Windows) or ifconfig (Linux) shows IP address, subnet mask, default gateway.

✓ Correct Answer: C. ipconfig

10

Which port is used for FTP?

A 20/21

B 22

C 25

D 53

STRATEGY BOX:

FTP uses port 21 for control commands and port 20 for active data transfer.

✓ Correct Answer: A. 20/21

11

What is the network address of 192.168.10.25/24?

A 192.168.10.0

B 192.168.10.255

C 192.168.1.0

D 192.168.10.1

STRATEGY BOX:

For /24, the network address is the first IP: 192.168.10.0. Host bits are all zeros.

✓ Correct Answer: A. 192.168.10.0

12

Which protocol uses port 53?

A HTTP

B DNS

C FTP

D SMTP

STRATEGY BOX:

DNS (Domain Name System) uses port 53 for resolving domain names to IP addresses.

✓ Correct Answer: B. DNS

13

What does nslookup do?

A Tests ports

B Resolves DNS names

C Traces route

D Monitors bandwidth

STRATEGY BOX:

nslookup queries DNS servers to resolve domain names or find IP addresses.

✓ Correct Answer: B. Resolves DNS names

14

Which port is used for SMTP?

A 110

B 25

C 443

D 53

STRATEGY BOX:

SMTP (Simple Mail Transfer Protocol) uses port 25 for sending emails.

✓ Correct Answer: B. 25

15

What is the usable host range in a /30 network?

A 2

B 4

C 6

D 8

STRATEGY BOX:

/30 gives 4 total IPs. Subtract network and broadcast = 2 usable host IPs. Used for point-to-point links.

✓ Correct Answer: A. 2

16

Which port is used for Telnet?

A 22

B 23

C 80

D 443

STRATEGY BOX:

Telnet uses port 23. It is insecure because it sends data in plain text. SSH (port 22) is preferred.

✓ Correct Answer: B. 23

17

What does netstat display?

A Network connections

B IP config

C DNS records

D Routing tables

STRATEGY BOX:

netstat shows active TCP/UDP connections, listening ports, and network statistics.

✓ Correct Answer: A. Network connections

18

What is the subnet mask for /26?

A 255.255.255.192

B 255.255.255.128

C 255.255.255.224

D 255.255.255.240

STRATEGY BOX:

/26 means 26 network bits = 255.255.255.192 (since 192 = 11000000 in binary).

✓ Correct Answer: A. 255.255.255.192

19

Which port is used for POP3?

A 25

B 110

C 143

D 443

STRATEGY BOX:

POP3 (Post Office Protocol version 3) uses port 110 for downloading emails from server.

✓ Correct Answer: B. 110

20

What does ping use to test connectivity?

A TCP

B UDP

C ICMP

D ARP

STRATEGY BOX:

Ping uses ICMP (Internet Control Message Protocol) Echo Request and Echo Reply.

✓ Correct Answer: C. ICMP

21

What is the first usable IP in 192.168.1.0/24?

A 192.168.1.0

B 192.168.1.1

C 192.168.1.254

D 192.168.1.255

STRATEGY BOX:

Network address (.0) is not usable. First usable host is .1, last usable is .254, broadcast is .255.

✓ Correct Answer: B. 192.168.1.1

22

Which port is used for IMAP?

A 110

B 143

C 25

D 53

STRATEGY BOX:

IMAP (Internet Message Access Protocol) uses port 143. It allows email management on server.

✓ Correct Answer: B. 143

23

What is the loopback IP address?

A 192.168.1.1

B 127.0.0.1

C 10.0.0.1

D 0.0.0.0

STRATEGY BOX:

127.0.0.1 is the loopback address. It tests TCP/IP stack locally without network hardware.

✓ Correct Answer: B. 127.0.0.1

24

Which tool helps identify DNS issues?

A. tracer

B. nslookup

C. ping

D. netstat

STRATEGY BOX:

nslookup specifically queries DNS servers to test name resolution problems.

✓ Correct Answer: B. nslookup

25

What is the last usable IP in 192.168.1.0/24?

A. 192.168.1.254

B. 192.168.1.255

C. 192.168.1.253

D. 192.168.1.1

STRATEGY BOX:

In /24, broadcast is .255. Last usable host is .254 (one less than broadcast).

✓ Correct Answer: A. 192.168.1.254

26

Which port is used for HTTPS secure communication?

A. 21

B. 22

C. 80

D. 443

STRATEGY BOX:

HTTPS uses port 443 with SSL/TLS encryption. HTTP uses port 80 without encryption.

✓ Correct Answer: D. 443

27

What does tracer help diagnose?

A. Packet loss path

B. IP config

C. Port numbers

D. MAC table

STRATEGY BOX:

tracer shows each hop's response time, helping identify where packet loss or delay occurs.

✓ Correct Answer: A. Packet loss path

28

What is the subnet mask for /25?

A. 255.255.255.0

B. 255.255.255.128

C. 255.255.255.192

D. 255.255.255.224

STRATEGY BOX:

/25 = 255.255.255.128 (128 = 10000000 binary). Gives 128 IPs per subnet.

✓ Correct Answer: B. 255.255.255.128

29

Which port is used for DNS queries?

A 80

B 53

C 22

D 110

STRATEGY BOX:

DNS uses port 53 for both TCP and UDP. UDP is used for small queries, TCP for zone transfers.

✓ Correct Answer: B. 53

30

Which command shows the path packets take?

A ping

B netstat

C tracert

D ipconfig

STRATEGY BOX:

tracert (tracert) shows each router hop, ping only tests connectivity without showing path.

✓ Correct Answer: C. tracert