
13. Port security results (Choose two)

Correct answers:

- A. Prevents unknown devices with unknown MAC addresses from sending data
- B. Prevents multiple devices from sending data through the port

(*Sticky MAC learns and locks the first MAC. It does NOT automatically save to startup-config.*)

14. Administrative Distance of internal EIGRP routes

- B. 90
-

15. In a subnet mask, what do binary 1s represent?

- E. The network portion of the subnet mask
-

16. Which switch becomes root bridge?

Root = **lowest priority**, if tie → lowest MAC.

Lowest:

A. 32768: 11-22-33-44-55-66

- A
-

17. Device used by service provider to provide WAN services

Most correct (classic WAN device):

- D. CSU/DSU
-

18. Command to show DHCP bindings handed out

- D. show ip dhcp bindings
-

19. Enable EIGRP only on 10.1.1.0–10.1.1.63

Wildcard mask for /26 = **0.0.0.63**

- A. network 10.1.1.0 0.0.0.63
-

20. Advertise OSPFv3 default route always

Correct command:

- E. default-information originate always in OSPFv3 router mode

21. Verify NAT inside/outside interfaces

Correct command:

- F. show ip nat statistics
-

22. In “show etherchannel summary,” what does “u” mean?

"u" = **Unsuitable for bundling**

- D. **Unsuitable for bundling**
-

23. Command to encrypt passwords

All listed commands encrypt passwords.

- D. **All of the above**
-

24. Command used to define IP range in DHCP pool

Correct answer:

- A. **network**
-

25. ACL processing rules (Choose two)

Inbound = **before** routing lookup

Outbound = **after** routing lookup

Correct answers:

- A. **Inbound ACLs processed before routing lookup**
 C. **Outbound ACLs processed after routing lookup**
-

26. What could stop OSPFv2 from learning all routes? (Choose two)

Correct answers:

- A. **ACL blocking router advertisements**
 C. **Physical layer issues preventing neighbor communication**
-

27. Neighbor Discovery functions (Choose two)

Correct answers:

- A. **Determines the link-layer address of a neighbor**
 D. **Queries for duplicate addresses**
-

28. Typical IPv6 prefix assigned to enterprise from ISP

Correct answer:

E. /48

29. What must be configured for remote switch access?

To access via Telnet/SSH, switch needs a default gateway.

Correct answer:

C. Configure a gateway for the switch

30. Small network with redundancy – conclusions

All hosts in same VLAN, two switches connected redundantly → **STP needed**.

Correct answer:

B. Spanning-tree will need to be used