
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