CCNA 200-301 Test Questions

Test your knowledge with selected questions from **pre-exam practice tests** available at Udemy. Open **Notepad** text editor to record your answers.

1. What is the maximum number of IP addresses assignable to host network interfaces with a subnet mask of 255.255.255.240?

   A. 2
   B. 6
   C. 14
   D. 30
   E. 62

2. How many channels are non-overlapping in 2.4 GHz wireless band?

   A. 1
   B. 2
   C. 3
   D. 11
   E. 23

3. What feature most correctly describes wireless SSID?

   A. BSSID
   B. VLAN
   C. WLAN
   D. Subnet

4. What is the prefix assigned to an IPv6 link local address?

   A. 2000::/3
   B. FD00::/8
   C. FE80::/10
   D. ::/128

5. How do you disable DTP frames on a switch interface? (select two)

   A. switchport mode dynamic desirable

   B. switchport mode dynamic auto

   C. switchport mode access

   D. switchport nonegotiate

6. How do you extend RF cell range and cell coverage? (select three)

   A. antenna

   B. repeater

   C. higher data rate

   D. higher frequency

   E. transmit power

7. What wireless authentication protocol provides the most security?

   A. WPA2-PSK

   B. WPA2

   C. AES

   D. WPA4

8. Select the correct configuration to enable voice traffic on a switch interface?

   A. switchport mode access
      switchport access vlan 9
      switchport access voice vlan 10

   B. switchport mode access
      switchport vlan 9
      switchport voice vlan 10

   C. switchport mode access
      switchport access vlan 9
      switchport voice vlan 10

   D. switchport access mode
      switchport data vlan 9
      switchport access voice vlan 10

9. What statements correctly describe SDN architecture? (select two)

   A. SDN architecture decouples the control and data plane
   B. Control plane is distributed across multiple network devices
   C. SDN controller is a centralized control plane with a policy engine
   D. SDN architecture decouples the management plane and control plane

10. What are the default VLANs permitted across a trunk?

   A. 1-4094
   B. 1
   C. 1, 1002-1005
   D. none

11. What is the purpose of a southbound API?

   A. connect SDN controller and data plane
   B. connect SDN controller and control plane
   C. connect SDN controller and management plane
   D. connect control plane and applications
   E. connect infrastructure to management plane

12. What is **not** a characteristic of Spine/Leaf architecture?

   A. Full mesh topology
   B. Designed for east-west traffic
   C. Designed for north-south traffic
   D. Single hop to any neighbor

13. What is the purpose of dynamic ARP inspection?

   A. prevent man in the middle attacks
   B. prevents DDOS attacks
   C. prevent DHCP snooping
   D. prevent malware attacks

14. What routing protocol uses bandwidth exclusively to calculate path metric?

    A. EIGRP

    B. RIPv2

    C. OSPF

    D. BGP

15. What commands are mandatory to enable SSH v2 on a Cisco network device? (select two)

    A. transport input all

    B. enable secret password

    C. ip ssh version 2

    D. crypto key generate rsa

    E. crypto key rsa generate

16. What will a network switch do with an arriving frame when there is no table entry for the destination MAC address?

    A. drop the frame

    B. flood the frame out of all switch ports

    C. send an ARP request

    D. send a broadcast frame

    E. forward the frame out all switch ports except the port where it was learned

17. What spanning tree port type is enabled on all switch interfaces of the root bridge?

    A. designated port

    B. alternate

    C. root port

    D. forwarding port

18. What route (prefix) is selected for packets arriving with destination IP address
192.168.1.1/30?

    A. 192.168.1.0/28

    B. 192.168.1.0/26

    C. 192.168.1.0/25

    D. 192.168.1.0/27

19. What three attributes determine route and best path selection?

    A. lowest administrative distance

    B. highest administrative distance

    C. longest match (subnet mask)

    D. lowest metric (cost)

    E. TTL

    F. highest metric

20. What route is installed in the routing table when multiple routes exist from the following
routing protocols?

    A. EIGRP

    B. OSPF

    C. Host

    D. RIPv2

21. What command configures local username **admin** with privileged EXEC mode access?

    A. username admin privilege 1 cisco

    B. username admin privilege 15 password cisco

    C. username admin password cisco privilege 16

    D. username admin privilege 1 cisco

22. What extended numbered ACL statement will deny web-based traffic from hosts assigned to subnet 192.168.1.0/24 **only**?

    A. access-list 100 deny tcp 192.168.1.0 255.255.255.0 eq 443

    B. access-list 100 deny tcp 192.168.0.0 0.0.240.255 any eq http

    C. ip access-list 100 deny udp 192.168.1.0 0.0.0.255 any eq www

    D. access-list 100 deny tcp 192.168.1.0 0.0.0.255 any eq 80

    E. ip access-list 99 deny udp 192.168.1.0 0.0.0.255 any eq 23

23. What is the difference between NAT overload and dynamic NAT pool?

    A. NAT overload supports multiple public addresses

    B. Dynamic NAT supports multiple public addresses

    C. NAT overload translates multiple private addresses to a single public address

    D. Dynamic NAT translates multiple private addresses to a single public address

24. Where is DHCP relay configured on a router?

    A. default gateway interface

    B. any physical interface

    C. dhcp pool

    D. management interface

    E. interface connected to DHCP server

25. What IOS global command enables IPv6 packet forwarding on a Cisco router?

    A. ipv6 enable

    B. ipv6 autoconfig

    C. ipv6 routing

    D. ipv6 unicast routing

    E. ipv6 unicast-routing

The answer key for this test is available at the following link.

Answer Key