

CCNA Sample Test Questions

*Answers at the bottom

- 1) Which of the following protocols use "Hello" packets?
 - A) OSPF
 - B) RIP2
 - C) IGRP
 - D) RIP

- 2) How to enable a Banner on a Cisco Router ?
 - A) Router(Config-if)# banner motd #
 - B) Router(Config)# banner motd #
 - C) Router(Config)# motd banner motd #
 - D) Router(Config-if)# motd banner #

- 3) How many hosts and subnets are possible if you have an IP of 151.242.16.49 with a subnet mask of 7 bits?
 - A) 510 hosts and 126 subnets
 - B) 512 hosts and 128 subnets
 - C) 126 subnets and 510 hosts
 - D) 128 subnets and 512 hosts

- 4) What's the default subnet mask for a Class C IP addresses?
 - A) 255.0.0.0
 - B) 255.255.0.0
 - C) 255.255.255.0
 - D) 255.255.255.255

- 5) Which encapsulation must be used to enable Ethernet_II frame type on your Ethernet interface?
 - A) SAP
 - B) ARPA
 - C) RIP
 - D) SNAP

- 6) Which IP-class provides the least number of Hosts?
 - A) Class A
 - B) Class B
 - C) Class C
 - D) Class D

- 7) How to define access-list commands ?
 - A) Router(config-if)# access-list 1 permit 172.16.20.1 255.255.0.0
 - B) Router(config) # access-list 1 permit 172.16.20.1 255.255.0.0
 - C) Router(config-if)# access-list 1 permit 172.16.20.1 0.0.0.0
 - D) Router(config) # access-list 1 permit 172.16.20.1 0.0.0.0

- 8) Which of the following solutions prevent routing loops?
- A) Split Horizon
 - B) Poison Reverse
 - C) Hold-down Timers
 - D) Triggered Updates
- 9) Which of the following is a valid extended IP access list?
- A) access-list 101 permit ip host 175.2.10.0 any eq 80
 - B) access-list 101 permit ip host 175.2.10.0 any eq www
 - C) access-list 101 permit tcp host 175.2.10.0 any eq 80
 - D) access-list 101 permit icmp host 175.2.10.0 any eq www
- 10) Which of the following is true about IP RIP based networks?
- A) The default update time is 30 seconds.
 - B) The default update time is 90 seconds.
 - C) Only changes to the routing tables are sent during updates.
 - D) Complete routing table are sent during updates.
- 11) How do you apply the access group command?
- A) Router(config) # access-list 1 out
 - B) Router(config-if) # access-listp 1 out
 - C) Router(config) # access-group 1 out
 - D) Router(config-if) # access-group 1 out
- 12) What are the access-list ranges of IP (standard and extended)?
- A) 1-99 and 100-199
 - B) 1-99 and 900-999
 - C) 100-199 and 800-899
 - D) 800-899 and 900-999
- 13) Which are true regarding VLANs?
- A) VLANs have the same collision domain
 - B) VLANs have the same broadcast domain
 - C) VLANs are less secure compared to switch or hub networks.
 - D) VLANs use layer 2 switching which is a substitute for routing technology which uses routers.
- 14) Which of the following statements are true about EIGRP route summarization?
- A) EIGRP provides summarization of routes at classful boundaries by default.
 - B) For summarizing routes at an arbitrary boundary, one need to disable auto summarization, using “no auto-summary” command.
 - C) Manual summarization in EIGRP network takes place on any interface in the network.
 - D) For specifying a summary route manually, you must specify the metrics.
- 15) How many access-lists are possible on an interface per protocol ?
- A) There can be only one access list in and one for out per router.

- B) There can be only one access list for in and one for out on each interface per protocol.
- C) There can be only one access list per router.
- D) There can be only one access list for each interface per protocol.

16) What does the ISDN protocol Q define ?

- A) Concepts, terminology and services
- B) Existing telephone network
- C) Switching and signaling
- D) Quality of Services

17) You have a network ID of 121.69.0.0. You need to divide it into multiple subnets with at least 500 hosts per each subnet. Which subnet mask should you use so that you will be able to divide the network into maximum number of subnets?

- A) 255.255.128.0
- B) 255.255.224.0
- C) 255.255.248.0
- D) 255.255.254.0

18) What switching type has the lowest latency?

- A) Store and forward
- B) Cut-through
- C) Split horizon
- D) Fragment-free

19) What comprises an ISDN BRI line?

- A) Two 64 KBPS B channels and one 4 KBPS D channel
- B) 24 B channels and one 64 KBPS D channel
- C) Two 64 KBPS B channels and one 16 KBPS D channel
- D) One 64 KBPS B channels and one 16 KBPS D channel

20) Where is the fully functional IOS stored?

- A) Flash
- B) ROM
- C) RAM
- D) NVRAM

Answer Key

1)A, 2)B, 3)C, 4)C, 5)B, 6)C, 7)D, 8)A,B,C,D 9)C, 10)A,D 11)D, 12)A, 13)B, 14)A,B,C 15)B, 16)C 17)D, 18)B, 19)C, 20)A