1. How many classes do IPv4 Addresses have?
2. 5
3. 4
4. 3
5. 2
6. IPv6 Address consists of how many bits in total and how many bits in each field?
7. 128 and 16
8. 128 and 64
9. 64 and 16
10. 64 and 32
11. What is the significance of Subnet mask? (Select one)
12. Specifies network portion and host portion
13. Not necessary for IP assignment
14. Hides the subnet ID
15. Hides the host ID
16. Which class in IPV4 address is used for multicasting purpose?
17. Class A
18. Class B
19. Class D
20. Class E
21. Please choose the range of Loopback IP address
22. 127.0.0.0 – 127.255.255.255
23. 192.168.0.0 – 192.168.255.255
24. 10.0.0.0 – 10.255.255.255
25. 172.16.0.0- 172.31.255.255
26. The decimal value of ‘248’ has which of the following hexadecimal value: (choose one)
27. FF
28. F8
29. F7
30. FA
31. What is the default subnet mask of Class B IP addresses?
32. 16
33. 8
34. 32
35. 24
36. Loopback IP addresses are routable over the internet?
37. True
38. False
39. Compress the following IPv6 Address- 2041:0000:140F: 0000:0000:0000:875A:131C

2041:0000:140F::875A:131C

1. Which of the following are valid Private IP addresses? (Select all Valid choices)
2. 172.32.1.1
3. 10.255.255.255
4. 168.192.0.255
5. 192.168.0.1
6. The first octet of an IPv4 address can represented in binary as 10111110. Which class of IPv4 address does it belong to? (Select one)
7. A
8. B
9. C
10. D
11. Compress the following IPv6 address as much as possible: FF02:0:0:0:0:79CD:0:ABCD

FF02::79CD:0:ABCD

1. Which of the following is a private IP address range? (Select one or more Valid choices)
2. 171.31.1.200
3. 192.168.250.250
4. 10.255.255.10
5. All of the above
6. If the following are using default subnet masks, which one(s) of the following are valid node IP addresses: (select one)
7. 220.1.1.255
8. 10.10.0.10
9. 208.5.48.0
10. 219.240.22.0
11. Which of the following is IPv6 Loopback IP address?
12. ::1
13. 127.0.0.1
14. FE80::1
15. ::2