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## [Introduction to Linux II – Chapter 14 Exam Answers 2019 + PDF file](#)

1. Which class's IP addresses can be assigned to network interfaces?
  - Class A,B,C, D and E
  - Class A and B
  - Class A,B,C and D
  - **Class A, B and C**
2. This body is responsible for assigning public IP addresses:
  - Network Allocation Centre
  - InterNET
  - Network Information Association
  - **InterNIC**
3. Which of the following does not need a public IP address?
  - **User's Computer Section**
  - Email Server
  - DNS Server
  - Proxy Server
4. Which file is used for mapping the application services to their respective port numbers?
  - */etc/netservices*
  - ***/etc/services***
  - */etc/ports*
  - */etc/network*
5. The default route is the route that will be used when the router \_\_\_\_\_.
  - Finds a matching route in the routing table
  - Sends a minimum of one packet to a final destination
  - **Does not have a route for the packet's destination in the routing table**
  - Contains an empty routing table
6. Which is the standard port used for HTTP service?
  - 81
  - 120
  - 23
  - **80**

7. A server sends 2000 bytes of data but the client receives only 1200 bytes. The server continues sending data, though some packets are lost intermittently. This pattern indicates:

- UDP
- IP
- ICMP
- TCP

8. You are trying to telnet to a server and get a *Host unreachable error*. Which command will you use now to check the connectivity?

- traceroute
- ping
- ip
- netstat

9. The traceroute command can be used by regular and root users.

True or False?

- True
- False

10. The \_\_\_\_\_ command is used to do reverse IP address lookups.

- hostname
- netstat
- uname
- host

11. Which of the following is the subnet mask for Class B networks?

- 255.255.255.0
- 255.255.0.0
- 255.255.\*.\*
- 224.224.224.0

12. Which are the different types of IP addresses used on the Internet?

- Public and Broadcast
- Public and Private
- Private and Proxy
- Public and Proxy

13. The netstat command is used to add a route to the kernel's routing table.

True or False?

- True
- False

14. Which of the statements are not true about the routing table?

- The routing table can be modified by the root user only
- The ip command is used to set up routing
- **The default gateway is not specified in the routing table**
- The IP layer consults the routing table

15. Which protocol uses a sequence number mechanism to ensure ordered delivery of data?

- ICMP
- UDP
- IP
- **TCP**

16. The kernel's routing table is maintained by the IP protocol.

- True
- **False**

17. IPv6 addresses are based on \_\_\_\_\_:

- 32 bits
- **128 bits**
- 64 bits
- 256 bits

18. Which protocol is used by the FTP daemon?

- ICMP
- FTP
- UDP
- **TCP**

19. What of the following is not true about the tracepath command?

- Traces the path to a network host
- Sends ICMP messages
- Discovers maximum transmission unit (MTU) along the path
- **Can be used only by root user**

20. What is used to partition a network into different logical networks?

- Partitioning
- Dividing
- Masking
- **Subnetting**

21. Given an IP address 10.11.15.8, the host ID derived from it is:

- **11.15.8**

- 255.11.15.8
- 10.11.15
- 10.11.15.0

22. What is the size of UDP headers?

- Maximum 10 bytes
- 20 bytes
- 12 bytes
- **8 bytes**

23. Which file holds the list of the name servers?

- */etc/nameservers.conf*
- */etc/host.conf*
- */etc/dns.conf*
- ***/etc/resolv.conf***

24. The \_\_\_\_ command is used for troubleshooting the configuration of DNS servers.

- find
- ip
- **dig**
- host

25. Which of the following commands is used to telnet to port 33?

- telnet server\_name --33
- telnet server\_name
- telnet server\_name -p 33
- **telnet server\_name 33**

26. Which protocol does the ping command use?

- UDP
- **ICMP**
- TCP
- IP

27. The 4th octet is used for creating subnets for Class C networks.

True or False?

- **True**
- False

28. The \_\_\_\_ indicates the maximum number of IP routers that can route a packet.

- **Time to Live**
- Time to Route
- Router Hops

- Time to Reach

29. FTP encrypts the user name and password entered by the user to log in.

True or False?

- True
- **False**

30. If you want to FTP a zip file from your computer to the server, which mode will you use for file transfer?

- Zip
- **Binary**
- ASCII
- Default