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Computer Networks – I

1. Which among the following is a Second layer of OSI model?
A. Physical
B. Network
C. Data link
D. Application

2. At network layer data is in the form of _____.
A. Frames
B. Bits
C. Packets
D. Segments

3. Division of large frame into smaller one is called as _____.
A. Dividing
B. Fragmentation
C. Bits
D. None

4. Service point addressing is also called as _____ address.
A. Port
B. Logical
C. Physical
D. All

5. Presentation layer of OSI model is concerned with _____ of information which is exchanged between two systems.
A. Syntax
B. Semantics
C. A & B
D. Logic

6. Byte count, byte and bit stuffing all these are _____.
A. Error detection method
B. Error correction method
C. Framing method
D. All

7. X.25 is a protocol used in _____.
A. LAN
B. MAN
C. Switched WAN
D. All

8. In block coding message is divided into blocks each of K-bits is called as _____.

A. Block code
B. Code word
C. Code
D. Block

9. In which among the following receiver needs to know only that the received codeword is invalid.
A. Error detection
B. Error correction
C. A & B
D. None

10. Hamming distance between two codewords is the number of differences between the corresponding _____.
A. Bytes
B. Words
C. Character
D. Bits

11. In which type of error detection method one s compliment is used.
A. CRC
B. Reed Solomon Code
C. Hamming code
D. None

12. In CSMA, M stands for _____.
A. Medium
B. Multiple
C. Media
D. Material

13. In IEEE second E stands for _____.
A. Electrical
B. Electronics
C. Engineers
D. None

14. Piconets can be combined to form _____.
A. 2 piconets
B. Multiple piconet
C. Scatternet
D. A&B

15. IEEE 802.11 defines which type of station based on their mobility.
A. No transition
B. BSS transition
C. ESS transition
D. All

16. TCP/IP protocol suite supports which protocol.
A) IP
B) ARP
C) RARP
D) All

17. Which among the following is a shortest path algorithms.

A) Dijikstra s
B) Bellman Ford
C) Floyd Warshall
D) All

18. Each octet contains _____ bits.
A) 16
B) 8
C) 4
D) 2

19. Which among the following is the function of network layer
A) Addressing
B) Packeting
C) Routing
D) All

20. What is the error in this IPv4 address 221.34.7.8.20
A) It cannot have more than 4bytes
B) It cannot have 0
C) It is out of range
D) All

21. In IGMP what does M stands for

A) Message
B) Multi
C) Management
D) None

22. Which among the following is congestion control algorithm
A) Leaky bucket
B) Token bucket
C) Bellman Ford
D) A & B

23. ICMP message contains which among the following
A) Type
B) Code
C) Checksum
D) All

24. IPv4 address is of _____ bits
A) 24
B) 32
C) 8
D) 4

25. In Class C of IPv4 address network id is ___ bits and host id is _____ bits
A. 8 & 24
B. 16 & 16
C. 24 & 8
D. None