



- as
- a) MTU adjustment
  - b) Flexible send path
  - c) Windowing
  - d) FCS
- (ix) Indicate Physical or logical arrangement of network is \_\_\_\_\_
- a) Topology
  - b) Routing
  - c) Networking
  - d) Control
- (x) Predict \_\_\_\_\_ topology requires a multipoint connection.
- a) Star
  - b) Mesh
  - c) Ring
  - d) Bus
- (xi) Express ranges of Well-known ports are
- a) 1 to 80
  - b) 0 to 256
  - c) 1 to 512
  - d) 0 to 1023
- (xii) In TDM, indicate slots are further divided into \_\_\_\_\_
- a) Seconds
  - b) Frames
  - c) Packets
  - d) Bits
- (xiii) In a network, If P is the only packet being transmitted and there was no earlier transmission, determinethe following delays could be zero
- a) Propagation delay
  - b) Queuing delay
  - c) Transmission delay
  - d) Processing delay
- (xiv) Determine the subnetwork address for a host with the IP address of 200.10.5.68/28
- a) 200.10.5.56
  - b) 200.10.5.32
  - c) 200.10.5.64
  - d) 200.10.5.0
- (xv) Recognize the first Network was called \_\_\_\_\_
- a) CNET
  - b) NSFNET
  - c) ASAPNET
  - d) ARPANET

**Group-B**

(Short Answer Type Questions)

3 x 5=15

- 2. Distinguish between point to point links and multi point links. (3)
- 3. Explain with a brief note on transmission medium. (3)
- 4. Define circuit switching? (3)
- 5. Describe Domain Name System. (3)
- 6. Explain the format of an e-mail? (3)

**OR**

- Illustrate the advantages of IPv6 over IPv4. (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

- 7. Describe CSMA/CD protocol in Ethernet. (5)
- 8. Discuss about the techniques to improve QoS in internetworking. (5)
- 9. Explain the error correction techniques available. (5)
- 10. Explain the adaptive transmission mechanism (5)
- 11. Explain Telnet in detail. (5)
- 12. Explain the services provided by PPP. (5)

**OR**

- Illustrate about unicast routing algorithms. (5)

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