

- Brief about following terms:
  - 1) Datagram approach
  - 2) Subnetting

a)

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b)

- 3) Packet switching
- b) Explain distance vector routing algorithm in detail.
- 7. a) Discuss in brief different Quality Of Service (QOS) parameters used in the transport layer.
  - b) Explain TCP segment with proper diagram.

## OR

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- a) Explain process to process communication of user Datagram Protocol (UDP).
  - Explain duties of transport layer in detail.
- a) State the difference between secrete key encryption and public key encryption scheme in detail.
- b) Write a short note on
  - 1) Substitution cipher
  - 2) Digital signature
- 10. a) Write a short note on1) SNMP2) DNS
  - b) Draw and explain working of firewall.
- **11.** a) Brief about cellular telephony and satellite network.
  - b) Explain working of wireless LAN.
- **12.** Write a short note on:
  - 1) Bluetooth technology
  - 2) Sonet
    - ) DSL Technology

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