

- 3) The signal from a satellite is normally aimed at a specific area called _____.
- 4) A switch performs filtering on the basis of _____ address.
- 5) The connection of two or more networks is called an internet. [TRUE/FALSE].
- 6) Twisted-pair cable is a unguided medium of transmission. [TRUE/FALSE].
- 7) An artificial satellite needs to have Orbit which is the path in which it travels around the Earth. [TRUE/FALSE].
- 8) Router Device amplifies the signals. [TRUE/FALSE].

Q-3 Give short answers of the following questions: (ANY TEN)

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- 1) Explain DQDB in brief.
- 2) What is computer network? What are the three categories of computer network?
- 3) Explain SUBNET in brief.
- 4) Explain serial transmission in short.
- 5) List various categories of Coaxial cable and state their use.
- 6) What do you mean by Multiplexing? List out various Techniques.
- 7) What is satellite? List categories of satellite.
- 8) List main responsibilities of Physical layer.
- 9) Draw diagram for protocol of different layer of OSI Model.
- 10) Explain Wireless Network in short.
- 11) What is Hub? What are the types of Hub?
- 12) List out advantages & disadvantages of Star topology.

Q-4 Give Long answers of the following questions: (ANY FOUR)

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- 1) Explain classification of computer Network.
- 2) Explain LAN in detail.
- 3) Explain Fiber optic in detail.
- 4) Explain FDM in detail. [
- 5) Write a note on satellite Network.
- 6) What is OSI model? Draw diagram of OSI Model. Explain any two layers.
- 7) Explain Mesh topology with its diagram, advantages & disadvantages.
- 8) Explain: Repeater and Bridge.