Q. 1: Choose the Correct answer and encircle it.

1- A collection of computers connected together is called.
   A. Processing
   B. Network
   C. Chatting
   D. Centralized system

2- Which of the following is not a category of network?
   A. WAN
   B. LAN
   C. MAN
   D. NAN

3- Which of the following is not a benefit of computer network?
   A. Reduce hardware costs
   B. Connect people
   C. Enable shared applications
   D. Produce high quality programs

4- The physical layout of a LAN is known as
   A. Topology
   B. Session
   C. Link
   D. Connector

5- BPS stands for
   A. Bits per second
   B. Binary per second
   C. Bytes per second
   D. Barrel per second

6- All of the following are guided communications media EXCEPT
   A. Twisted pair
   B. Fiber-optic cables
   C. Coaxial cables
   D. Satellite

7- OSI reference model has
   A. 7 layers
   B. 3 layers
   C. 6 layers
   D. 1 layer

8- OSI stands for
   A. Open system interconnection
   B. Open system international
   C. Open small internet
   D. Open system interlink

9- Which layer is concerned with addressing and routing?
   A. Network layer
   B. Data link layer
   C. Physical layer
   D. Transport layer

10: the people on LAN can share
    A. Printer
    B. Modem
    C. CD-Rom / disk drive
    D. All
SECTION-I

Q. 1 Write the short answer to any Twelve (12) from the following questions. 12 x 2 = 24

1- What is meant by communication?
2- What is meant by networking?
3- Differentiate between sender and receiver.
4- In how many forms data can be transmitted.
5- Write three essential components of every network system
6- List some benefits of computer networks
7- List main types of computer networks
8- What is meant by client server network?
9- Compare LAN and WAN transmission speeds
10- How does star topology work?
11- Explain a bus topology
12- List different types of network communication technology
13- What is meant by packet switching
14- What is meant by internet?
15- What is attenuation?
16- What is meant by wireless communication?
17- Why was the OSI model developed
18- Write the functions of network layer

SECTION-II

Note: Attempt any two (2) questions 8 x 2 = 16

Q. 2: What is meant by networking and explain about the types of networking?

Q. 3: Explain about the OSI layers?

Q. 4: What is meant by topology and differentiate between star and rig topology?

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