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Total No. of Pages : 02

Total No. of Questions : 09

B.Voc. (Hardware and Networking) (Sem.-1)

**COMPUTER NETWORKING**

Subject Code : BVHN-102-18

Paper ID : [75802]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION-A****1. Answer briefly :**

- a) Compare parallel and serial transmission.
- b) What is meant by multiplexing in networking?
- c) Differentiate LAN and WAN.
- d) What are modes of communication?
- e) Give difference between star and ring.
- f) What is the use of a gateways?
- g) Define circuit switch network.
- h) What is main function of Transport Layer?
- i) Write any two uses of Network Layer.
- j) Give the introduction of Internetworking.

### SECTION-B

- Q2 What are the different topologies in networks? Which is the best network topology?
- Q3 Describe the need of optical Fibre transmission. What are its advantages?
- Q4 What is wireless transmission? Explain the use of Radio and Microwave transmission.
- Q5 Which are the services provided by data link layer?
- Q6 Discuss the function of MAC Sub layer.

### SECTION-C

- Q7 Explain the OSI model by drawing its block diagram.
- Q8 Write and explain the functioning of switches and routers? How they are used in networking?
- Q9 What is IEEE 802.5 Token Ring and how does it work?