VI Semester B.Sc. Examination, September/October 2022
(Semester Scheme) (CBCS)
COMPUTER SCIENCE – VIII
Computer Networks

Time : 3 Hours

Max. Marks : 70

SECTION – A

I. Answer **any ten** questions. **Each** question carries **2** marks. **(10×2=20)**

1) Define Computer Network.

2) What is a analog signal ?

3) What is a Frame ?

4) What is Burst error ?

5) What is Ethernet ?

6) What is Multicasting ?

7) What is MAC address ?

8) What is SONET ?

9) What is Wide Area Network ?

10) What is IP Encapsulation ?

11) What is Static Routing ?

12) What is DNS ?

SECTION – B

II. Answer **any five** questions. **Each** question carries **10** marks. **(5×10=50)**

13) a) Write a note on complexity in network system.   5

    b) What is Guided Media Transmission ? Explain Co-axial Cable.   5

P.T.O.

14) a) What is Modem ? Explain Optical Modem.   5
    b) Explain Wavelength Division Multiplexing.   5

15) a) Explain any two Topologies in Computer networks.   5
    b) Explain Error Detection with CRC.   5

16) a) Explain Network Interface Hardware.   5
    b) Explain CSMA/CD.   5

17) a) Write a note on Repeaters.   5
    b) Write a note on ISDN.   5

18) a) Explain Link State Routing Algorithm.   5
    b) Explain seven layers of OSI model.   5

19) a) Write a note on Internet Architecture.   5
    b) Write a note on Address Resolution Protocol.   5

20) a) Write a note on TCP services.   5
    b) Explain e-Mail Operations.   5

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