

SE – 211



- 16) a) Explain how are errors detected with CRC. 5  
b) Discuss the working of self-Healing token passing networks. 5
- 17) Discuss various topologies of LAN in detail. 10
- 18) a) Explain ISDN. 5  
b) Discuss shortest path computation in a graph. 5
- 19) a) Compare and contrast LAN and WAN. 5  
b) Briefly explain ISO-OSI reference model. 5
- 20) a) Write a note on TCP/IP protocols. 5  
b) Explain the features of IPv6. 5



SECTION - B

(5x10=50)

5  
5  
5  
5  
5  
5

P.T.O.



SE – 211

VI Semester B.A./B.Sc. Examination, September 2020

(CBCS) (F + R) (2016-17 and Onwards)

COMPUTER SCIENCE – VIII

Computer Networks

Time : 3 Hours

Max. Marks : 70

**Instruction** : Answer *all* Sections.

SECTION – A

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

- 1) Explain optic fibre as transmission media.
- 2) Define half and full duplex communication.
- 3) Explain the working principle of a modem.
- 4) What are the two techniques of modulations ?
- 5) Explain what is byte stuffing.
- 6) What is parity checking ?
- 7) What is token passing ?
- 8) What is multicast addressing ?
- 9) Define Repeaters.
- 10) What is Jitter ?
- 11) Define Protocol.
- 12) Write a brief note on DNS.



SECTION – B

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

- 13) a) Write a note on growth of the internet. 5  
b) Explain any two transmission media. 5
- 14) a) How are Geosynchronous satellites useful in transmission ? 5  
b) Write a note on standards for communication. 5
- 15) a) Discuss the effect of noise on communication. 5  
b) Briefly explain time division multiplexing. 5

P.T.O.