

FACULTY OF ENGINEERING**B.E. (CSE) VI Semester (AICTE) (Backlog) (Old) Examination, August/September 2024****Subject: Computer Networks****Time: 3 Hours****Max. Marks: 70****(Missing data, if any, may be suitably assumed)
PART – A****(10 x 2 = 20 Marks)****Note: Answer all the questions.**

1. Compare in between Frequency division, Time division and Wave division.
2. What is the flow of networks?
3. List out Data Link Layer design issues.
4. Compare in between Slotted ALOHA and Pure ALOHA.
5. What is Tunneling?
6. Compare IPv4 and IPv6.
7. What are responsibilities of Transport Layer?
8. List out Quality of service parameters.
9. Differentiate between authentication and authorization.
10. List out few types and subtypes of MIME format used by the E-mail system.

PART – B**(5 x 10 = 50 Marks)****Note: Answer any five questions.**

11. Explain similarities and differences between ISO-OSI and TCP/IP architecture.
12. a) What is purpose of CRC in data transmission at data link layer? What are CRC limitations ?
b) Compare in between Go-Back-N ARQ and Selective Repeat ARQ protocol.
13. Discuss about various network routing algorithms.
14. Discuss about Internet Transport Protocols in detail.
15. a) Explain about SNMP.
b) Draw the format of PGP message.
16. Explain about CSMA CA and CSMA CA.
17. a) Explain Token Bucket Algorithm.
b) Explain about RSA algorithm.