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2203E1298

Candidate's Seat No : _____

B.Sc. Semester-5 Examination

CC 302

Computer Science

March-2024

Time : 2-30 Hours]

[Max. Marks : 70

Q1(A) What is Networking ? Explain advantages of Network. (7)

Q1(B) Explain all Network topologies in detail. (7)

OR

Q1(A) Explain different types of Network in detail. (7)

Q1(B) Explain transmission media with all its classification. (7)

Q2(A) Explain OSI model in detail. (7)

Q2(B) Explain TCP/IP and UDP Protocol in detail. (7)

OR

Q2(A) Explain various IEEE standards (802.3, 802.4, 802.5). (7)

Q2(B) Write a note on DNS Protocol. (7)

Q3(A) What is fiber optic cable ? Explain with its advantages. (7)

Q3(B) Explain the use & working of routers. (7)

OR

Q3(A) Explain Network cards & repeaters with its use & selection criteria. (7)

Q3(B) How to split up network ? Explain in detail. (7)

Q4(A) Write a note on FAX. (7)

Q4(B) Explain HUB & VSAT Techniques in detail. (7)

OR

Q4(A) Write a note on Satellite Communication. (7)

Q4(B) Explain Multiple Access Techniques in detail. (7)

Q:5 Attempt any seven out of twelve.(2 Marks each) (14)

- 1) What are the use of computer networks ?
- 2) What is HUB ?
- 3) DHCP stands for _____
- 4) What is VPN ?
- 5) Define NIC.
- 6) Give full form of OSI.
- 7) IEEE stands for _____
- 8) What is FTP ?
- 9) Full form of CAN _____
- 10) Which are Middle layer functions in OSI ?
- 11) FDDI stands for _____
- 12) Give full form of SMTP.
