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MASTER OF COMPUTER APPLICATIONS
MODEL QUESTIONS FOR SEMESTER –IV

Sub: Computer Network

Paper: IT-41(21)

1. Why network is so popular in recent time. Discuss the need of topology with their types and suitable diagram?
2. What do you mean by OSI reference model? Discuss the layers of OSI model with their tasks in brief?
3. What is the purpose of multiplexing in data communication? How does TDM and TDMA work? Explain with suitable concept and diagram?
4. Discuss about Switching and their types in detail with suitable diagram and comparisons among them?
5. Discuss about the concept of X.25 and frame relay in brief? How are they differing with each other?
6. Discuss about FDDI? Elaborate its working with suitable diagram and frame format?
7. Explain DHCP, SMTP and HTTP. Give their uses, strength and weaknesses?
8. What is the need for data encoding and explain the various data encoding schemes and compare their features
9. What is CSMA and their working? Discuss its all types and their working in detail?
10. What do you mean by ERROR? Discuss its types with example? Discuss any two types of redundancy check in data communication?