

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E – CSE/IT

Title of the paper: Data Communication and Computer Networks

Semester: V

Max. Marks: 80

Time: 3 Hours

Date: 16-11-2007

Session: AN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. List out the characteristics for data communication
2. What are the various components of data communication
3. Compare analog and digital signals
4. Define Period, frequency and amplitude
5. What is the difference between Polling and Selecting?
6. Why flow control is needed in data link layer?
7. What is meant by ISDN?
8. Compare the three categories of service provided by ISDN?
9. How is a repeater different from amplifiers?
10. How does a router differ from bridge?

PART – B
Answer All the Questions

(5 x 12 = 60)

11. Explain the various type's transmission modes with example.
(or)
12. What are the factors for categorizing networks? Explain the different types of networks?
13. What is Modem? Explain the descriptions of Modem with standards.
(or)
14. Explain Guided media in detail
15. List out various ERROR control methods in DATA LINK LAYER?
(or)
16. Classify various Multiplexing applications in Telephone system?
17. What is B-ISDN, explain with an example?
(or)
18. Discuss briefly about X.25 protocols with frame format?
19. Explain Link state routing Algorithm with example?
(or)
20. Explain distance vector routing algorithm with example?