

# **SATHYABAMA UNIVERSITY**

**(Established under section 3 of UGC Act, 1956)**

Course & Branch: B. Tech - IT

Title of the paper: Data Communication And Computer Networks

Semester: V

Max. Marks: 80

Sub.Code: 12502 (2002/2003/2004/2005)

Time: 3 Hours

Date: 30-04-2008

Session: AN

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**PART – A**

**(10 x 2 = 20)**

**Answer All the Questions**

1. What are the two types of transmission technology available?
2. Define network interface card.
3. Comment on Guided Media.
4. What is an error? Suggest mechanisms to handle error.
5. Distinguish between connection oriented and connection less services?
6. Enumerate the types of multiplexing.
7. Define ISDN.
8. What is ATM?
9. State the purpose of Bridges.
10. Highlight the functions of Routers.

PART – B  
Answer All the Questions

(5 x 12 = 60)

11. Discuss the classification of networks in detail.  
(or)
12. Discuss about OSI model in detail.
13. Discuss about DTE/DCE in detail.  
(or)
14. Discuss in detail about error detection and correction in detail.
15. Discuss in detail about IEEE 802.11 protocol.  
(or)
16. Compare packet switching and circuit switching.
17. Discuss various ATM cell format in detail.  
(or)
18. Discuss about ATM protocol architecture in detail.
19. Discuss about Link state routing algorithm in detail.  
(or)
20. Discuss about WWW in detail.