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

Course & Branch: B.Tech – IT
Title of the paper: Data Communication & Computer Networks
Semester: V                                                   Max. Marks: 80
Sub.Code:412502/512502/6C0092                Time: 3 Hours
Date: 08-11-2008                                          Session: FN

PART – A                        (10 x 2 = 20)
Answer All the Questions

1.   What is peer to peer process?

2.   Define – Jitter.

3.   What is burst error?

4.   What is the relationship between period and frequency?

5.   What are the three phases required for circuit switching?

6.   What is piggy backing?

7.   What is QoS in ATM?

8.   Compare and SVC with PVC in ATM connection?

9.   Define Cookies.

10.  How gateway differs from router?

Answer All the Questions

11. Explain the architecture of OSI model?

(or)

12. (a) Explain the five components of data communication system?

(b) What are the various sources of data flow?

13. Briefly explain the CRC method for error correction.

(or)

14. Explain the following data transmission in detail.
     (a) Parallel        (b) Serial

15. Explain the structure of Circuit switch.

(or)

16. What is multiplexing? Explain the various types of multiplexing?

17. Explain the following terms in detail.
     (a) X.25      (b) ISDN

(or)

18. Explain the ATM architecture and different ATM layers and their functions.

19. Write brief notes on IPv6.

(or)

20. Explain the various documents available in WWW.