December 2006
CS-303
COMPUTER NETWORKS
(B.Tech Semester 5th 2126)

Time : 03 Hours   **Maximum Marks**

Note : Section- A is **compulsory**. Attempt any **Four** questions from section - B. Attempt atleast **two** questions from Section C.

Section A

Q1 (a) Explain the basic concepts of a analog digital signals.

(b) What are the major types of Networks? And explain.

(c) Explain difference between LAN and WAN.

(d) Explain about X.21 modem.

(e) Explain about Digital data transmission.

(f) What is WDM?

(g) Explain about Error correction.

(h) What is protocol ?

(i) What is checksum?

(j) What about the DSL?

Section B

Q 2) Explain OSI reference model in detail.

Q 3) Discuss different switching schemes and compare them.

Q 4) Explain the sliding window protocol with algorithm used?

Q 5) Explain any one mechanism used for error correction?

Q 6) Explain guided media and unguided media.

Section C

Q 7) What is the difference between the packet Switching and message switching?

Q 8) What are error detecting codes? Give example.

Q 9) Explain difference types of spread spectrums.