

Question Paper Code :

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2011.

Fifth Semester

Computer Science and Engineering

CS 2302 — COMPUTER NETWORKS

(Common to Information Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is flow control?
2. Define Error detection and correction.
3. What is CSMA/CD?
4. What is meant by bridge?
5. Define subnetting.
6. What is multicasting?
7. What is TCP?
8. Define congestion.
9. What is Telnet?
10. State the purpose of SNMP.

PART B — (5 × 16 = 80 marks)

11. (a) Discuss the ISO OSI model.

Or

(b) Explain the different Types of multiplexing.

12. (a) Explain in detail about token ring and its frame format.

Or

(b) Discuss the various, aspects of FDDI in detail.

13. (a) Compare circuit switching with packet switching.

Or

(b) Discuss the notation, representation and address space

14. (a) Illustrate and explain UDP and its packet format.

Or

(b) Explain in detail about TCP congestion avoidance algorithm.

15. (a) Discuss in detail about DNS and its frame format.

Or

(b) Explain SMTP in detail.