Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 41244

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Electrical and Electronics Engineering

080280066 — COMPUTER NETWORKS

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List out the any four application of computer networks.
2. Define the term protocol.
3. State Little's formula.
4. Define M/M/1 queue.
5. What is the drawback of ALOHA? What is the reasons for it.
6. What is meant by persistence strategy?
7. What are gateways?
8. Mention any two application of TCP.
9. Define ISDN.
10. What is ATM?

PART B — (5 × 16 = 80 marks)

11. (a) Explain in detail about the circuit switching and message switching.

Or

(b) Discuss in detail about the concepts of network protocol and OSI reference model.

12. (a) Describe about the applications to M/M/1 queues and topologies.

Or

(b) Illustrate the token ring transmission algorithm.

13. (a) Explain about the asynchronous and synchronous communication.

Or

(b) Discuss the types of stations, response modes and frame formats in HDLC.

14. (a) Explain Distance vector routing algorithm, with an example.

Or

(b) Discuss TCP/IP Protocol suite and the functions of various layers.

15. (a) Explain in detail about the Transmission structure and user access of ISDN protocol.

Or

(b) Discuss in detail about the B-ISDN and the role of ATM.
