Roll No. ....

2304

B. E./B. Tech. 6th Semester (ECE)

Examination – May, 2014

Computer Networks

Paper : IT-305-E

Time : Three hours]   [Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions shall carry equals marks.

1. Explain the ISO-OSI reference model in details.

2. What is computer network ? Discuss different type of network. What is network topology ? Explain.

(b) Discuss the following in context of Email :

    (i)   SMTP   (ii) POP

    (iii) IMAP   (iv) NNTP

4. Explain : IEEE 802 standard (i) ALOHA.

5. Explain the SONET/SDH. Also explain the SONET architecture.

6. Explain :

    (i)   ATM

    (ii) DQDB

7. Explain the following :

    (i)   Polling

    (ii) Proxy Servers

    (iii) Quality of Services

    (iv) VLAN

8. Explain the different LAN interconnecting devices.