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**Question Paper Code : 31317**

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

Sixth Semester

Electrical and Electronics Engineering

CS 2363/CS 65 — COMPUTER NETWORKS

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define a computer network.
2. What is a bridge?
3. What is internetworking?
4. What is IP V6?
5. What is flow control?
6. Define slow start.
7. What is MPEG?
8. What is PGP?
9. What is Domain Name system?
10. What are overlay networks?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the framing and error detection mechanism in networks.

Or

- (b) Explain in detail about FDDI.

12. (a) Describe in detail the Internet Control Message Protocol (ICMP).

Or

(b) (i) Explain the characteristic features of network routing algorithms.

(ii) Write short notes on IP addressing.

13. (a) Explain in detail the connection establishment and termination in Transmission Control Protocol (TCP).

Or

(b) Write a note on congestion avoidance mechanisms used in TCP.

14. (a) Explain in detail the symmetric key and public-key encryption mechanisms.

Or

(b) Explain in detail IP security.

15. (a) Describe in detail the Simple Network Management Protocol (SNMP).

Or

(b) Explain in detail about the following :

(i) File Transfer Protocol (FTP) (8)

(ii) WWW. (8)