Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 31148

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Fifth Semester

Computer Science and Engineering

080230022 — COMPUTER NETWORKS

(Regulation 2008)

Time : Three hours
Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is Scatternet?

2. What do you mean by Multiple Access?

3. What is transparent Bridge?

4. What are the three protocol used in Noisy Channel?

5. What is Subnetting?

6. What is the difference between a Direct and Indirect Delivery?

7. What are the three FTP transmission Modes?

8. Define Choke Packet.

9. What do you mean by Adhoc?

10. What is the usage of Peer to peer Network?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss in detail about TCP/IP Models and Differentiate the layers that are not present in OSI Model. (10)

    (ii) Explain briefly about the different types of connections available in Networks. (6)

Or

(b) (i) Differentiate Fast Ethernet and Gigabit Ethernet. (6)

(ii) Name the different types of Multiple access Methods and explain any two access with relevant detail. (10)

12. (a) (i) Explain in detail about Linear Block Codes. (8)

(ii) Discuss brief about Loopless Topology. (8)

Or

(b) (i) Explain in detail about Hamming Codes with an example. (8)

(ii) Discuss in detail about Sliding Windows. (8)

13. (a) (i) Discuss in detail about IPv6 Addresses. (8)

(ii) Explain brief about Shortest path Algorithms with an example. (8)

Or

(b) Explain in detail about Multicast Routing. (16)

14. (a) (i) Write short notes (10)

(1) Load Shedding

(2) Jitter Control.

(ii) Discuss briefly about Token Bucket Algorithms. (6)

Or

(b) (i) Explain in detail about FTP. (10)

(ii) Discuss about UDP in detail. (6)

15. (a) Discuss about Overlay Networks in detail with implementation scenario. (16)

Or

(b) Explain in detail about Sensor Networks with an practical implementation. (16)

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