Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 71385

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2015.

Fifth Semester

Computer Science and Engineering

CS 2302/CS 52/10144 CS 503 — COMPUTER NETWORKS

(Common to Information Technology)

(Regulation 2008/2010)

(Common to PTCS 2302 – Computer Networks for B.E. (Part-Time) Fourth Semester
CSE – Regulation 2009 and 10144 CS 503 – Data Communication and Computer
Networks for B.E. (Part-Time) Fifth Semester CSE – Regulation 2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   What is flow control?

2.   What is refraction?

3.   What are the issues in data link layer?

4.   What are the criteria used to evaluate transmission medium?

5.   What are the responsibilities of network layer?

6.   What are datagrams?

7.   What are the duties of transport layer?

8.   What is the difference between network layer delivery and transport layer delivery?

9.   What is the basic model of FTP?

10. Give the format of HTTP request.

PART B — (5 × 16 = 80 marks)

11. (a) Explain how to build network with OSI and TCP/IP reference model.

Or

(b) Write short note on
   (i) reliable transmission
   (ii) framing

12. (a) Discuss the design procedure to build wireless LAN network.

Or

(b) What are common ETHERNET implementation? Discuss about the sublayer.

13. (a) Discuss about distance vector routing with illustration

Or

(b) Compare and contrast different types of switching methodologies.

14. (a) Explain the method of congestion avoidance.

Or

(b) Explain about UDP and TCP features with neat diagrammatic representation.

15. (a) Explain the structure of Data encryption standard. List various security services.

Or

(b) Explain about RSA algorithm with illustration.

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