Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 91359

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Sixth Semester

Electrical and Electronics Engineering

CS 2363/CS 65/10144 CS 503 — COMPUTER NETWORKS

(Regulation 2008/2010)

(Common to PTCS 2363 – Computer Networks for B.E. (Part-Time) Fifth Semester
Electrical and Electronics Engineering – Regulation 2009)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the function of bridge.

2. Define the term FDDI.

3. What is ARP?

4. What is subnetting?

5. Define the term datagram.

6. What is a connection oriented protocol?

7. Define the usage of Firewalls.

8. What is SSH?

9. What are the various multimedia application?

10. What is the function of File Transfer Protocol?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain about Network performance in detail.   (8)
        (ii) Write a note on FDDI.   (8)

                              Or

    (b) (i) What are direct link networks? Explain in detail.   (8)
        (ii) Describe in detail about wireless networks.   (8)

12. (a) (i) Describe in detail the reserve address resolution protocol. (8)

   (ii) Explain in detail about IPV6. (8)

Or

   (b) (i) What is CIDR? Explain in detail. (8)

   (ii) Write a note on inter domain routing. (8)

13. (a) (i) Explain in detail the functions of Transport layer. (8)

   (ii) What is flow control? Explain it in detail. (8)

Or

   (b) (i) Write a note on queuing discipline. (8)

   (ii) Describe the Transmission Control Protocol (TCP) in detail. (8)

14. (a) (i) Explain about symmetric key and public key cryptography. (8)

   (ii) What is PGP? Describe in detail with example. (8)

Or

   (b) (i) Explain about wireless security in detail. (8)

   (ii) Explain about key distribution and key agreement problem. (8)

15. (a) (i) Write a note on World Wide Web. (8)

   (ii) What is a Domain Name System (DNS)? Explain in detail. (8)

Or

   (b) (i) Write a note on web services. (8)

   (ii) What are overlay networks? Explain in detail. (8)

—————————