C14–IT–**505**

4647

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2016
DIT—FIFTH SEMESTER EXAMINATION

INTERNET WORKING WITH TCP/IP

Time : 3 hours]   [*Total Marks* : 80

PART—A   3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is router?

2. Explain about ARP refinement.

3. Write about the timing RARP transactions.

4. Explain briefly about Internet architecture.

5. Write a short note on connectionless delivery.

6. Write a short note on reassembly of fragments.

7. Write a short note on next hop routing.

8. Explain briefly about establishing routing table.

9. Write about error reporting.

10. Write about ICMP message delivery.

PART—B   10×5=50

Instructions : (1) Answer *any* **five** questions.

               (2) Each question carries **ten** marks.

               (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain about Internet working concept of *(a)* application-level interconnection and *(b)* network-level interconnection.   5+5=10

12. Explain about the implementation of ARP.

13. Explain about circuit-switched and packet-switched networks.

14. Explain briefly about any two other datagram fields.

15. Explain about the processing option during the fragmentation.

16. Explain direct and indirect delivery.

17. Explain handling of incoming datagram.

18. Explain about the following relating to ICMP :
(a) Echo request and reply message format
(b) Testing destination reachability and status (being)

★ ★ ★