



C09-IT-606C

3780

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2017

DIT—SIXTH SEMESTER EXAMINATION

INTERNETWORKING 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. Explain briefly about router.
2. Write a short note on ARP refinement.
3. Write a short note on backup RARP server.
4. Write about virtual network.
5. Briefly explain about internet architecture.
6. Write a short note on connectionless delivery system.
7. Write about next-hop routing.

- * 8. Write a brief note on routing in an internet.
9. Write a short note on ICMP.
10. Write a short note on Echo request message format.

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 architecture with interconnection through routers.
12. Explain about resolution through direct mapping.
13. Explain about circuit switched and packet switched networks. 5+5
14. Explain about (a) reassembly of fragments and (b) fragment control. 5+5
15. Write about internet datagram options : 5+5
(a) Record route option
(b) Time stamp option
16. Explain IP routing algorithm.
- * 17. Explain handling of incoming datagram.
18. Explain about error reporting and error correction.
