C14-IT-**505**

4647

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2018
DIT—FIFTH 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. Briefly discuss about internet architecture board.

2. What is meant by ARP encapsulation?

3. Write a short note on primary RARP server.

4. Write a short note on internet architecture.

5. Write short note on concept of unreliable delivery.

6. Write a short note on reassembly of fragments.

7. Write a short note on table driven IP routing

8. Write a short note on host-specific router,

9. Explain about error reporting.

10. Discuss about ICMP.

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

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

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

11. Explain briefly about application level internet servers and application level interconnection.

12. Explain briefly about the following :

(a) Resolution through direct mapping.

(b) Resolution through dynamic binding.

13. Explain about the folowing :

(a) Datagram format

(b) Datagram type of service and datagram header fields.

14. Explain briefly about service and datagram precedence.

15. Write about the internet datagram options :

(a) Source route option

(b) Time stamp option

16. Explain the following :

(a) Routing with IP address.

(b) Handling of incoming datagram.

17. Explain the following :

(a) Direct and indirect delivery.

(b) IP routing algortithm.

18. Explain about the ICMP message delivery and format.

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