MAY 2022 **P/ID 16309/PIT3F**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define the term protocol.

2. List out the components of communication system.

3. Specify the purpose of DNS.

4. Give the meaning of facsimile.

5. What are the functions of MAC?

6. What is multiplexing?

7. Write a note on flooding.

8. What is IP addressing?

9. Distinguish between bridge and gateway.

10. List out the categories of IP addresses.

11. List out the functions of SMTP.

12. Write short notes on FTP.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Group the OSI layers by its function. Explain.

14. Specify the way in which guided media differs from unguided transmission media.

15. Define and explain 802.3 standard

16. Bring the responsibilities of network layer. Explain.

17. Distinguish between network layer delivery and the transport layer delivery.

18. What is MIME? How does MIME enhance SMTP?

19. Draw the format of HTIP request message. Explain.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Write a note on various transmission media, highlight their merits and demerits.

21. Explain framing along with their header diagram.

22. Explain in detail about wireless LAN.

23. Describe the distance vector routing algorithm in detail.

24. Explain about RSA algorithm.

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