

MAY 2023

**P/ID 17614/  
PCA4L/PCAED**

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Time : Three hours

Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. List out the two types of transmission technology.
2. What is called Fourier series?
3. Which mode of operations is known as bent pipe?
4. What is called path loss?
5. Define stop -and-wait protocol.
6. List out the methods of framing.
7. What are the main features of PPP?
8. What is meant by reservation protocol?
9. Define the term IP protocol.
10. Write a note on jitter.
11. What is TSAP and NSAP?
12. Expand and write a note on the term TCP.

**PART B — ( $5 \times 6 = 30$  marks)**

Answer any FIVE questions.

13. Describe briefly about the LAN.
14. Elucidate on TCP/IP model.
15. Discuss about electromagnetic spectrum.
16. Write short notes on data link layer issues.
17. Narrate sliding Window protocols.
18. Illustrate traffic shaping in Quality Of Services.
19. Discuss on transport layer services.

**PART C — ( $3 \times 10 = 30$  marks)**

Answer any THREE questions.

20. Write detailed notes on guided transmission media.
  21. Explain in detail about communication satellites.
  22. Explain the multiple access protocols.
  23. Discuss on routing algorithms.
  24. List and explain the elements of transport protocol.
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