

MAY 2016

**P/ID 17466/RCS/  
PCAM**

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is data communication? Give a note on its components.

Or

- (b) Write a short note on standard and protocols.

2. (a) Write about the types of Digital Data transmission.

Or

- (b) What are the types of errors? Give a note on them.

3. (a) Give a note on time division multiplexing (TDM).

Or

- (b) Write a short note on project 802.

4. (a) What are the layers of ISDN? Describe them.

Or

- (b) Write a short note on ATM architecture.

5. (a) Give a note on repeaters.

Or

(b) What are bridges? Write about their types.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Summarize the concepts and applications of networks.
7. Describe error correction and detection.
8. Explain multiplexing in telephone systems.
9. Explain the basic concepts of ISDN.
10. What is meant by routing algorithm? Explain its types.
11. How are networks classified? Explain it with a neat diagram.
12. What are the various types of Network Topologies? Explain.
13. Explain the features of Ethernet and its networks.