

MAY 2016

P/ID 77736/MBS3G

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Time : Three hours

Maximum : 100 marks

PART A — (5 × 6 = 30 marks)

Answer any FIVE questions.

1. Differentiate between data and information.
2. Write short notes on flatbed scanner.
3. Explain the polycarbonate cell with suitable diagram.
4. State the major functions of operations system.
5. Write a brief note on E-mail.
6. Describe the Hexadecimal representation of numbers.
7. Write a brief note on compression ratio.
8. What is menu based browsing? Give an example.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

9. Explain the various types of Data in detail.
10. Briefly explain the Optical Character Recognizer.

11. Explain in Flip-flop Storage Cell in detail.
12. Describe in detail about the major classification of Programming Languages based on applications.
13. Discuss about the Management structure and functional areas of management.
14. Draw a flow chart for the algorithm to Count Number of Vowels in a text.
15. Explain the principles of MPEG Compression in detail.
16. Compare the IPv4 and IPv6 protocols. How does IPv6 ensure flexibility of Internet?

PART C — (1 × 20 = 20 marks)

Compulsory.

17. An Atlas has colored maps of different Countries. It has 200 pages. Each page has a map drawn in 8" × 11" area. If the maps are digitized and stored, how much storage is needed?

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