



C14-CM-105

4031

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2017

DCME—FIRST YEAR EXAMINATION

BASICS OF COMPUTER ENGINEERING

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. List the differences between RAM and ROM. 3
2. State the differences between algorithm and flowchart. 3
3. Convert the following octal number into decimal number system : 3
(367)₈ ()₁₀
4. Define operating system. 3
5. Define file and folder. 1½+1½
6. How to change the desktop background screen of a computer? 3
7. Compare LAN and WAN. 3
8. Define DNS. 3
9. Define software engineering. 3
10. Briefly explain need for network security. 3

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PART—B

10×5=50

- Instructions** : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11.** Explain block diagram of a computer with a neat sketch. 10
- 12.** (a) Explain EBCDIC coding scheme. 5
(b) Write the advantages of database system. 5
- 13.** Explain any five Internal commands. 2×5=10
- 14.** Explain how to change resolution and colour appearance options in Windows. 5+5=10
- 15.** Define Internet and Intranet. Write differences between Internet and Intranet. 2+2+6=10
- 16.** Explain the following : 5+5=10
(a) URL
(b) IP address
- 17.** (a) Write about open source softwares. 5
(b) Write about life cycle model in Software Engineering. 5
- 18.** Briefly explain the following : 2×5=10
(a) GSM
(b) CDMA
(c) Bluetooth
(d) Virus
(e) Worm

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