

*



C14-CM-105

4031

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—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. Draw the block diagram of a computer.
2. Define algorithm.
3. Convert the following decimal number into binary decimal number system :
 $(13)_{10} \quad (?)_2$
4. Define operating system.
5. State the features of Windows.
6. Define file and folder.
7. Write any three differences between Internet and Intranet.

*

8. List any three Web browsers.
9. Define database management system.
10. Define GSM and CDMA. 1½+1½=3

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 generations of computer. 10
12. (a) Explain ASCII coding scheme.
- (b) Write the various life-cycle models in software engineering. 5+5=10
13. Explain about any five DOS external commands. 2×5=10
14. Explain the components of a Window. 10
15. Explain the following : 5+5=10
- (a) LAN
- (b) WAN
16. Describe different types of Internet service providers. 10
17. Explain the classification of data structures. 10
18. (a) Write the applications of Cloud computing.
- (b) Write about wireless LAN. 5+5=10

*

★ ★ ★