



C14-CM-105

4031

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2015

DCM—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. State the functions of CPU. 3
2. Differentiate between algorithm and flowchart. 3
3. List the various number systems used in digital computers. 3
4. Define batchfile. 3
5. List any three features of Windows Operating System. 3
6. How to change the desktop background screen of a computer? 3
7. Define Local Area Network. 3

- * 8. Define search engine. 3
9. What is data structure? 3
10. Define virus. 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. Draw the block diagram of a computer and explain the function of each unit. 3+7=10
12. (a) Convert the following decimal number to binary number : 5
 $(13\ 75)_{10}$ $(?)_2$
- (b) Write the differences between Networking Operating System and Desktop Operating System. 5
13. Explain about any five DOS Internal Commands. 2×5=10
14. Write the procedure to install a new Software and uninstalling Software using Control Panel. 5+5
15. Write the procedure for sending and receiving e-mail. 5+5
16. Explain about the following : 5+5
 (a) URL
 (b) Telnet
- * 17. (a) Define Software Engineering. Write the need for Software Engineering. 2+3=5
 (b) Write any five features of Network Operating System. 5
18. Define cloud. Explain different types of cloud. 2+8=10
