6025

BOARD DIPLOMA EXAMINATION, (C–16)
OCTOBER—2020
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. Write the importance of cache memory.

2. Write an algorithm to find the area and circumference of circle.

3. Write the binary equivalents for the hexadecimal digits (0 to F).

4. List any 6 internal DOS commands.

5. List any three features of Windows operating system.

6. What is disk defragmentation?

7. Write any three differences between Telnet and FTP.

8. What is ISP? List any four ISPs.

9. Define client and server.

10. Define worm in computer system. List any two examples.

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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 criteria for valuation are the content but not the length of the answer.

11. Explain all the generations of the computers. 10

12. *(a)* Write the procedure for hexadecimal to binary conversion. Convert $(2BCD·876)_{16}$ to binary. 5

(b) Write any five differences between Network operating system and Desktop operating system. 5

13. List and explain any four external DOS commands. 10

14. Write the procedure for installing and uninstalling hardware using control panel. 10

15. *(a)* Explain the structure of URL. 5

(b) Write the purpose of FTP and Telnet. 5

16. Write the procedure for installing modem using control panel. 10

17. Define data structure. Explain the classification of data structures. 10

18. *(a)* Define the terms cloud and cloud computing. 3

(b) List and write about different types of cloud. 4

(c) List any five services provided by cloud computing. 3

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