6025

BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

DCME - FIRST YEAR EXAMINATION

BASIC 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 any three differences between ROM and RAM.

2. Write any three differences between flowchart and algorithm.

3. Convert $76B_{(16)}$ into binary number system.

4. Write the purpose of CHKDSK command with syntax.

5. Write the steps to change System Date.

6. State the function of Start Button.

7. Write the purpose of Social Network. List any two Social network sites.

8. What is DNS?

9. Define Software Engineering.

10. List any three applications of CLOUD.

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. *(a)* Draw the block diagram of Computer.

(b) Describe the interaction between CPU, Memory and Input, Output devices.

12. *(a)* Covert $10101.001_{(2)}$ and $563_{(8)}$ into decimal number system.

(b) Explain any one of the Software Life Cycle Models.

13. Write the syntax and purpose of five External DOS Commands.

14. Describe the steps to Install and Uninstall Software through Control Panel.

15. Explain the purpose of web browser software.

16. Define Computer Network. Write briefly the different types of computer networks.

17. What is Network Operating System? Write the differences between network operating system and desktop operating system.

18. *(a)* Define Bluetooth and give its features.

(b) State the need of network security.

★ ★ ★