6025

BOARD DIPLOMA EXAMINATION, (C-16)

JANUARY/FEBRUARY—2022

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 any three differences between flowchart and algorithm.

  3. Convert $(3E)_{16}$ to equivalent binary number.

  4. What is the purpose of AUTOEXEC.BAT?

  5. Write the procedure to set the system date and time.

  6. What is file and folder?

  7. What is DNA?

  8. Write the purpose of web browser.

  9. List various existing database systems.

 10. List the types of clouds.

PART—B   10×5=50

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. Draw the block diagram of a computer and explain each function.

12. *(a)* Convert$(101101.10101)_2$ and $(777)_8$ into decimal number system.

(b) Compare network OS and Desktop OS.

13. List and explain any three internal and two external DOS commands.

14. Write the procedure for installing and uninstalling of a software using Control panel.

15. Write the procedure for sending and receiving of e-mail.

16. Explain the terms *(a)* WWW, *(b)* FTP and *(c)* TELNET.

17. Explain file systems FAT, FAT32 and NTFS.

18. Define CDMA, GSM, wireless LAN and Bluetooth.

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