# 6025

## BOARD DIPLOMA EXAMINATION, (C-16)

## MAY/JUNE—2023

## 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. List any three input devices and output devices.

2. Write an algorithm to find whether the given number is prime or not.

3. Convert 125 decimal number into Binary number.

4. List any five internal DOS commands.

5. List any three components of a window.

6. List the steps to change the Desktop background.

7. Differentiate between LAN and WAN.

8. Define URL.

9. Define data structure. Write any two examples.

10. Define GSM.

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**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.** List and explain the types of memories used in a computer. 10

**12.** *(a)* List the steps to convert number from decimal to octal with an example. 5

*(b)* Write any five differences between network operating system and desktop operating system. 5

**13.** *(a)* Explain about *(i)* autoexec.bat file and *(ii)* config.sys file. 2+2

*(b)* List and explain five external DOS commands. 1+5

**14.** Write the steps to install a printer using the control panel. 10

**15.** Describe address format and IP address in detail. 10

**16.** *(a)* What is a web browser software and explain its functions. 5

*(b)* Describe DHCP. 5

**17.** What is database management system? Explain briefly any four existing database systems. 10

**18.** Explain cloud components with a legible diagram. 10

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