



C16-CM-105

6025

BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

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 any three output devices.
2. Write an algorithm to find whether the given number is prime or not.
3. Convert $(777)_8$ into binary number.
4. What is the need for an operating system?
5. Define the terms 'folder' and 'file'.
6. What is system prompt?
7. List any three differences between LAN and WAN.
8. Define the terms (a) URL and (b) FTP.
9. Define data structure. Give any two examples.
10. Define the terms 'GSM' and 'CDMA'.

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PART—B

- 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. 2+8=10
- 12.** (a) List the steps to convert a number from binary to decimal with an example. 5
(b) Explain about FAT32 and FAT file system. 2+3=5
- 13.** (a) Explain about (i) autoexec.bat and (ii) config.sys. 2+2=4
(b) List and explain five internal DOS commands. 1+5=6
- 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? 2+4=6
(b) Describe DHCP. 4
- 17.** (a) Differentiate between networking, operating system and desktop operating system. 5
(b) Explain in brief about NTFS File System. 5
- 18.** Describe cloud and explain different types of cloud in brief. 2+8=10

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