



C14-CM-105

4031

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2018

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. Define the terms cache memory, primary memory and secondary memory.
2. Draw different symbols used in flowchart.
3. List the number systems used in digital computers with examples.
4. Write a short note on AUTOEXEC.BAT.
5. Write a short note on search operation used in Windows operating system.
6. Give the steps to uninstall a hardware using control panel.
7. List the features of internet.
8. What is search engine? List any three search engines.
9. What is data structure? List any four data structures.
10. Define virus. List any four computer viruses.

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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 criterion for valuation is the content but not the length of the answer.

- 11.** (a) Describe the storage devices used in computer.  
(b) List and explain how the computers are classified according to its size.
- 12.** (a) Do the following conversions :  
(i)  $(128\ 35)_{10}$   $(\text{-----})_2$   
(ii)  $(\text{FFEC B})_{16}$   $(\text{-----})_8$   
(b) Explain about client and server in the field of computer networks.
- 13.** List and explain at least five internal commands in DOS.
- 14.** Explain about Windows Explorer.
- 15.** Define modem. Give the steps to install a modem using control panel.
- 16.** (a) Explain about Web browser.  
(b) Explain about WWW.
- 17.** (a) List and explain various existing database systems.  
(b) Distinguish between flat file database and relational database systems.
- 18.** (a) Explain the applications of cloud computing.  
(b) Explain about Bluetooth.

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