4031

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH /APRIL-2019
DCME - FIRST YEAR EXAMINATION

BASICS OF COMPUTER ENGINEERING

Time: 3 Hours   Max. Marks:80

PART-A

10x3=30M

Instructions : 1) Answer **all** questions. Each question carries **Three** marks.

2) Answer should be brief and straight to the point and shall not exceed simple sentence

1) What does the ALU stands for and state the functions of it? 2+1=3M

2) Draw any three symbols used in flow charts.   3X1=3M

3) Convert the following.

$(ABC)_{16}= (?)_2$

$(777)_8= (?)_2$ 2X1.5=3M

4) List various types of operating system.   3X1=3M

5) List the features of window.   3X1=3M

6) Write short notes on control panel?   3M

7) Write about IP address?   3M

8) What is internet and intranet?   2X½=3M

9) Define software engineering.   3M

10) Define network security.   3M

PART-B

5x10=50M

Instructions: 1) Answer any **five** questions.Each question carries **ten** marks.

      2) The answer should be comprehensive and the criteria for valuation is content but not the length of the answer.

11) With a neat sketch, draw the block diagram of a digital computer and Explain the functions of each block.   **10M**

12) a) Explain EBCDIC code scheme.   **5M**

    b) Differentiate between flat file database and Relational database systems.   **5M**

13) Explain about any three internal and two external commands.

          5X2=10M

14) Explain the procedure to change Colour and Screen saver option of the display.   **10M**

15) What is search engine? Explain how it works.   **4+6=10M**

16) Briefly explain about Social networking sites with examples. **10M**

17) List and explain five open source software.   **10M**

18) Explain the various types of security attacks.   **10M**

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