C14-EE-**406**

# 4466

## BOARD DIPLOMA EXAMINATION, (C-14)

## MARCH/APRIL—2021

## DEEE - FOURTH SEMESTER EXAMINATION

PROGRAMMING IN 'C'

*Time* : 3 hours ]                                                    [ *Total Marks* : 80

### PART—A                                                    4×5=20

**Instructions :**   (1) Answer *any* **five** questions.

(2) Each question carries **four** marks.

(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1.   List various data types.

2.   Write the basic structure of 'C' program.

3.   List various conditional statements.

4.   Write syntax for Switch statement.

5.   Define Array.

6.   Write different string handling functions.

7.   Define function.

8.   List the four storage classes supported by C.

9.   Define Union.

10.  List various conditional and unconditional pre-processor directives.

# PART—B

**Instructions :** (1) Answer *any* **four** questions.

(2) Each question carries **fifteen** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

**11.** Explain increment and decrement operators in C.

**12.** Explain Switch Statement with example.

**13.** Explain various conditional statements.

**14.** Write a simple program for initializing and accessing of array elements.

**15.** Briefly explain various string handling functions.

**16.** Discuss the importance of function prototypes in programming.

**17.** Differentiate local and external variable in functions with an example.

**18.** Explain 'call by value' and 'call by reference'.

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