



C14-EC-406

4439

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH / APRIL - 2019

DECE - IV SEMESTER EXAMINATION

PROGRAMMING IN C

Time : 3 Hours]

[Total Marks : 80

PART - A

3×10=30

Instructions :

- (1) Answer **ALL** questions.
- (2) Each question carries **THREE** marks.
- (3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1 List any three arithmetic operators in C language.
- 2 State the function of printf () with syntax and example.
- 3 List any three conditional statements supported by C.
- 4 Write the syntax for “while” loop.
- 5 Define one dimensional array. Give its syntax.
- 6 List three functions used for reading strings.
- 7 Declare a pointer variable with syntax an example.
- 8 List the storage classes supported by ‘C’.
- 9 Define a structure. Give its syntax.
- 10 List any three conditional preprocessor directives.

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[Contd...

PART - B**10×5=50**

- Instructions :**
- (1) Answer any **FIVE** questions.
 - (2) Each question carries **TEN** marks.
 - (3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

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|-----------|--|-----------|
| 11 | (a) Explain bitwise logical operators supported by ‘C’. | 6 |
| | (b) Evaluate a logical expression. | 4 |
| 12 | Explain if-else if statement with syntax and flowchart. | 10 |
| 13 | Write a c program to print the following pyramid on output screen using nested for loops. | 10 |
| | <pre> * * * * * * * * * * * * * * *</pre> | |
| 14 | Write a c program to arrange elements of one dimension integer array in ascending order. | 10 |
| 15 | Explain about strcat(), strcmp (), strcpy (), and strlen () with example. | 10 |
| 16 | Explain passing parameters to the function by using “call by value technique” with a simple program. | 10 |
| 17 | (a) Differentiate address and dereferencing operator. | 4 |
| | (b) Explain about recursion with example. | 6 |
| 18 | Explain the pre-processing directives : define, include, ifdef, ifndef. | 10 |