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# BOARD DIPLOMA EXAMINATION, (C-14)

## JUNE—2019

## DEEE—FOURTH 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) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Write the importance of C.

2. List any 3 relational operators.

3. Define nesting of loop.

4. Write about comma operator.

5. Define 1-D array.

6. Define string.

7. Differentiate local and external variables.

8. Define function.

9. List various conditional preprocessor directives.

10. Write about structure variable.

# 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)* Explain about increment and decrement operators. 5

*(b)* Explain about the pointer arithmetic. 5

12. List various conditional statements and explain if - else statement.

13. Explain about do-while loop with an example.

14. *(a)* Explain how to initialize 2-D arrays. 5

*(b)* Write a C program to add 2X2 matrices. 5

15. Explain how to declare and initialize string variables.

16. Write a C program using function call technique.

17. Explain the importance of function prototypes in programming.

18. *(a)* Explain the initialization of structures. 5

*(b)* Explain the accessing of members of a structure. 5

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