



C14-EE-406

**4466**

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**JUNE—2019**  
**DEEE—FOURTH SEMESTER EXAMINATION**  
**PROGRAMMING IN C**

*Time : 3 hours ]*

*[ Total Marks : 80*

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**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.

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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) 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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