



C14-EE-406

4466

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

* * *

*

*