



C14-EE-406

4466

BOARD DIPLOMA EXAMINATION, (C-14)  
OCT/NOV—2018  
DEE—FOURTH SEMESTER EXAMINATION  
PROGRAMMING IN C

Time : 3 Hours]

[Total Marks : 80

PART—A

3×10=30

- Instruction :** (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. List the various data types in C.
2. Write about any four arithmetic operators in C.
3. What is IF-ELSE statementt and write flow chart.
4. Write the differences between WHILE and DO..WHILE loops.
5. Define an array. How to declare an array with example?
6. Deefine a string.
7. List the advantages of user defined functions in C language.
8. List three advantages of using pointers in C language.
9. Define UNION. Give example.
10. Define restructure with example



**PART—B**

10×5=50

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- Instruction :** (1) Answer any **five** questions  
(2) Each question carry **ten** Marks.  
(3) The answers should be comprehensive and the criteriaon for valuation is the content but not the length of the answers.

11. (a) What are pre-processor directives in C?  
(b) Explain the nested structure concept in C.
12. Explain different forms of IF statement in C.
13. Explain various loop statements used in C.
14. Explain two-Dimensional array with an example.
15. (a) Explain any four String functions in C.  
(b) Wrigte a C program to read a string and print its each character in a line.
16. Explain the importance of function proto type in programming.
17. Explain about storage classes in C.
18. How STRUCTURES are different from UNIONS? Explain with example.

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