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C16-CM-IT-106

6026

BOARD DIPLOMA EXAMINATION, (C-16)

JUNE/JULY—2022

DCME - FIRST YEAR 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 any three features of 'C' language.
2. Define identifier. Give the rules to form identifiers.
3. Write the syntax of any two input functions.
4. State the importance of indentation.
5. Write any three differences between while loop and do while loop.
6. How to declare and initialize a single dimensional array.
7. What is a string? List any three string handling functions.
8. Write any three advantages of functions.
9. Differentiate between address and dereferencing operators.
10. Write the syntax of fseek() function and its purpose.

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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 criterion for valuation is the content but not the length of the answer.

11. (a) List various operators available in 'C'.
(b) Write the differences between local and external variables.
12. Write the syntax of various conditional statements available in C with example.
13. Write a program to print first Fibonacci series up to n terms :
Fibonacci series : 0 1 1 2 3 5 8
14. Write a 'C' program to arrange array of 10 elements in ascending order.
15. Write a 'C' program to find the largest number in given 3 numbers using Function.
16. Explain dynamic memory management functions.
17. Define a structure. How to declare and access the structure members?
18. Write the need of pre-processor directives. List any five pre-processor directives and their purpose.

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