

P131/CMP502/EE/20240115

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Explain any five arithmetic operators in 'C' with their uses. 5
 - b) Explain nested If-loop with syntax. 5
 - c) How do you pass parameters to main () function? 5
 - d) Explain key features of 'C' Language. 5
 - e) What is a structure? Explain the syntax of structure declaration with example. 5
2. Solve any **four** sub-questions.
 - a) Explain switch case statement in C. 5
 - b) What are primitive and non-primitive data types? 5
 - c) Define static and dynamic memory allocation. 5
 - d) Explain what is meant by Operator Precedence and Associativity in C. 5
 - e) Define keywords in C. Explain any three. 5
3. Solve any **four** sub-questions.
 - a) Define array. Explain 1D, 2D array with suitable example. 5
 - b) Explain call by reference function. 5
 - c) What is storage class? What are the different storage classes in C? 5
 - d) What are bitwise operators available in C? 5
 - e) Describe static function and its use. 5

4. Solve any **four** sub-questions.

- a) What is a Nested loop in 'C' Language? 5
- b) What are the differences between structures and union? 5
- c) What are Macros? What are its advantages and disadvantages? 5
- d) Define Pointer. What are the uses of a pointer? 5
- e) Explain Union with its syntax. 5

