

P131/CMP502/EE/20220627

Time : 3 Hours 45 Minutes

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.

1. Solve any **four** sub-questions.
 - a) Explain characteristics of computer and list its Components. 5
 - b) What are the basic data types in 'C'? 5
 - c) What is the role of header file in 'C' program? List any 3 header files. 5
 - d) Explain keywords in 'C' Language. 5
 - e) Explain basic structure of a C program. 5
2. Solve any **four** sub-questions.
 - a) Explain for Loop with suitable example. 5
 - b) Define Flowchart. Explain its use with suitable diagram. 5
 - c) Explain the syntax of Increment and Decrement. 5
 - d) Explain constant in 'C' language with example. 5
 - e) Explain structure with its syntax. 5
3. Solve any **four** sub-questions.
 - a) What is a pointer? Explain how the pointer variable declared and Initialized. 5
 - b) Explain Dynamic Memory Allocation. 5
 - c) Explain strcpy(). strcmp() functions. 5
 - d) Explain if-else statement with suitable example. 5
 - e) Describe static function and its uses. 5

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

- | | |
|--|---|
| a) What is a Nested loop in 'C' Language? | 5 |
| b) Explain features of 'C' Language. | 5 |
| c) Explain use of Printf() and Scanf() with example. | 5 |
| d) Explain dangling pointer in 'C'. | 5 |
| e) Explain union with its syntax. | 5 |

+++++