P131/CMP502/EE/20180117

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.

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

   a)   What is CPU? Explain the components of CPU.   5

   b)   What is Flowchart? Explain in detail.   5

   c)   What is Structured Programming?   5

   d)   Explain the bottom up approach in programming.   5

   e)   Explain the debugging process of program.   5

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

   a)   What is Variables in C? What are rules to use variables?   5

   b)   List the relational operator in C. Explain any two.   5

   c)   What is increment and decrement operator?   5

   d)   Write a short note on nested if-else statement.   5

   e)   Explain the do-while loop in looping statement.   5

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

   a)   Explain the FOR loop and explain the use of it.   5

   b)   What is Array? Explain the types of array.   5

   c)   What is String? List the methods used for string.   5

   d)   Describe the term Function.   5

   e)   Difference between call by value and call by reference.   5

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

   a) What is Pointer? Explain the initialization of pointer.   5

   b) Explain the Command Line Arguments.   5

   c) Define structure. Explain the syntax of structure.   5

   d) Differentiate between the array and structure.   5

   e) Write short note on Union.   5

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