

(C-prog.)

Prob. solving using computer. — sem I — Jun 19  
Exam.

**P131/CMP502/EE/201905**

**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) Define algorithm. Explain its characteristics. 5
  - b) Explain role of memory unit. 5
  - c) Explain switch-case statement. 5
  - d) State the features of 'C' language. 5
  - e) Write a note on: Debugging. 5

2. Solve any **four** sub-questions.
  - a) Explain different generations of computer. 5
  - b) Explain keywords in C. 5
  - c) Explain arithmetic operators in C. 5
  - d) Define Flowchart. Draw and explain symbols used in flowchart. 5
  - e) What will be the output of following code: 5

```
Main ()  
{  
    Int x = 3, y = 5;  
    If (x == 3)  
        Printf ("%d", x);  
    Else  
        Printf ("%d", y);  
}
```

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

- a) Define pointer. Explain how to declare and initialize pointer variable. 5
- b) Define union. Explain how to declare and access union members. 5
- c) Explain if and if - else statements. 5
- d) Explain user defined data types in C with example. 5
- e) What will be the output of following code: 5  
x = 10  
While (x>5)  
{  
  Printf ("%d\n", x);  
  x -- ;  
}

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

- a) Define structure. Explain difference between union and structure. 5
- b) Define function. Explain call - by - value function. 5
- c) Define string. Explain any two in - built string functions. 5
- d) Explain working of 'for loop' with example. 5
- e) Define array. Explain its types. 5

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