

P.G.D.C.A Semester - 1 (CBCS) Examination
Oct/Nov. -2019 - [NEW COURSE]
PROGRAMMING IN C (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

- Q-1 [A] Answer the following questions.(All three) [03]
 (1) What is the use of “clrscr()” in C language?
 (2) What is the difference between “%d” and “%C” control string?
 (3) Comment lines are ignored by compiler at compile time.Is it true or false?
- Q-1 [B] Answer the following question.(Any Two) [06]
 (1) Describe all tokens in C.
 (2) Draw a flowchart to print sum of 1 to 10.
 (3) What is Type Casting? Explain it.
- Q-1 [C] Answer the following question.(Any One) [05]
 (1) Write a short note on pre-processor in C language.
 (2) What is Operator? List out all operators available in C language. Explain any two of them.
- Q-2 [A] Answer the following questions.(All three) [03]
 (1) Operator && is known as AND operator. True or False?
 (2) Give name of two types of GOTO unconditional statement.
 (3) What is the output?

```
#include<conio.h>
#include<stdio.h>
Void main()
{
    int i = 10;
    int j = i+100;
    i=j+15;
    int k =(++i) + (++j);
    Printf(“%d”,k);
}
```
- Q-2 [B] Answer the following question.(Any Two) [06]
 (1)Describe : while() loop with example.
 (2) Describe : do...while()loop with example.
 (3) Explain break and continue statement with example.
- Q-2 [C] Answer the following question.(Any one) [05]
 (1) Explain “if” statements. List out their types. Explain ladder if with example.
 (2) Write a program to print following output.
- ```

 1
 1 2
 1 2 3
1 2 3 4
1 2 3 4 5
```

- Q-3 [A] Answer the following questions.(All three) [03]  
(1) Define : header file  
(2) Explain : ceil ( ) function  
(3) Explain : Pow ( ) function
- Q-3 [B] Answer the following question.(Any Two) [06]  
(1) Write a short note on : Recursion  
(2) Explain call by value and call by reference with example.  
(3) Explain memory allocation functions.
- Q-3 [C] Answer the following question.(Any One) [05]  
(1) What is User Define Functions? List out all types of U.D.F. available in C language and explain any two with example.  
(2) Explain in detail: Storage Classes available in C language.
- Q-4 [A] Answer the Classes available in C language. [03]  
(1) Array is a collection of same data type. True or Fales?  
(2) Define : union  
(3) Define : structure
- Q-4 [B] Answer the following question.(Any Two) [06]  
(1) What is structure? Explain it in detail.  
(2) Explain: String Array with example.  
(3) Describe: Nested Structure with example.
- Q-4 [C] Answer the following question.(Any One) [05]  
(1) Write a Program to enter any 10 values from keyboard and arrange them in ascending order using array.  
(2) What is an Array? Explain all types with details.
- Q-5 [A] Answer the following questions.(All Three) [03]  
(1) Can we store normal data or value in pointer variable?  
(2) Define: Double Pointer.  
(3) Write down: Uses of Pointer.
- Q-5 [B] Answer the following question.(Any Two) [06]  
(1) Explain pointer to array with example.  
(2) Explain pointer to structure with example.  
(3) Write a short note on : Command Line Arguments
- Q-5 [C] Answer the following question (Any One) [05]  
(1) Write a Program to enter two values from values from keyboard and interchange them using pointer and User Define Function.  
(2) Explain in detail: File Handling in C language.

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