

P.G.D.C.A Semester - 1 (CBCS) Examination
Nov/Dec - 2022 [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.
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Que: 1

- (A) Attempt All. (03)
1. What is the range of char data types in C language?
 2. Which symbol is used to put condition in a flowchart?
 3. Define Algorithm.
- (B) Attempt Any Two. (06)
1. Explain dry run with example.
 2. Draw a flowchart to check given number is prime number or not.
 3. Explain Type Casting with example.
- (C) Attempt Any One. (05)
1. Explain Datatypes of the C language.
 2. Explain Operators of the C language.

Que: 2

- (A) Attempt All. (03)
1. Why ? : is known as ternary operator ? Give proper reason.
 2. Write a syntax of Nested if.....else statement.
 3. Which loop is exit controlled loop?
- (B) Attempt Any Two. (06)
1. Explain while loop with example.
 2. Explain switch.....case with example.
 3. Explain nesting of for loop with example.
- (C) Attempt Any One. (05)
1. Write a program to check given number is Armstrong no. or not.
 2. Explain jumping statements of C language.

Que: 3

- (A) Attempt All. (03)
1. When function call it self , then it is called _____.
 2. List various Storage Classes.
 3. Explain calloc () function.
- (B) Attempt Any Two. (06)
1. What is the difference between getchar() and gets() function.?
 2. Explain rand() and delay() with example.
 3. Explain function call by reference with example.
- (C) Attempt Any One. (05)
1. Explain storage classes in detail.
 2. Explain Types of UDF with example.

Que: 4

- (A) Attempt All. (03)
1. What is structure?
 2. What is the difference between structure and union?
 3. The individual values of an array are called _____.
- (B) Attempt Any Two. (06)
1. Explain String arrays.
 2. Explain Array of structure.
 3. What is structure? Explain Nested structure with example.
- (C) Attempt Any One. (05)
1. Write a prog. to sort an one dimensional array in descending order.
 2. Explain character array in C with example.

Que: 5

- (A) Attempt All. (03)
1. pointer variables are declared using _____ operator.
 2. File management functions are defined in which header file?
 3. putw() and fwrite() functions writes the data to the file in which format ?
- (B) Attempt Any Two. (06)
1. Explain fopen() and fprintf() functions.
 2. Explain fread() and fwrite() functions.
 3. Explain text file and binary file.
- (C) Attempt Any One. (05)
1. Explain pointer to structure with example.
 2. Write a short note on command line argument.