

P.G.D.C.A Semester - 1 (CBCS) Examination
Jan/Feb.-2022 [NEW COURSE]
PROGRAMMING IN C(CORE)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

Q.1(A) Answer the following questions. (03)

1. What is the range of int data types in C language?
2. Which symbol is used to put condition in a flowchart?
3. Execution of every C program start with which function?

Q.1(B) Answer the following question. (Any two) (06)

1. Explain #define with example.
2. Draw a flowchart to check given number is odd or even.
3. Explain Type Casting with example.

Q.1(C) Answer the following question. (Any one) (05)

1. Explain Datatypes of the C language.
2. Explain Operators of the C language.

Q.2(A) Answer the following questions. (03)

1. Why? : is known as ternary operator ? Give proper reason.
2. Write a syntax of else – if ladder.
3. Which loop is exit controlled loop?

Q.2(B) Answer the following question. (Any two) (06)

1. Explain do.....while loop with example.
2. Explain nested if – else with example.
3. Explain nesting of loop with example.

Q.2(C) Answer the following question. (Any one) (05)

1. Write a program to check given number is Armstrong no. or not.
2. Explain jumping statements of C language.

Q.3(A) Answer the following questions. (03)

1. When function call it self , then it is called _____.
2. Define pointer.
3. Explain malloc () function.

Q.3(B) Answer the following question. (Any two) (06)

1. What is the difference between strcmp and strncmp function.?
2. Explain fmod() and fabs() with example.
3. Explain function call by reference with example.

Q.3(C) Answer the following question. (Any one) (05)

1. Explain storage classes.
2. Explain pointer as a function argument with example.

Q.4(A) Answer the following questions. (03)

1. What is an array?
2. What is the difference between structure and union?
3. The individual values of an array are called _____.

Q.4(B) Answer the following question. (Any two) (06)

1. Explain two-dimensional array.
2. Explain user defined function (UDF) with structure.
3. What is pointer? Explain pointer to structure with example.

Q.4(C) Answer the following question. (Any one) (05)

1. Write a prog. to sort an one dimensional array in ascending order.
2. Explain character array in C with example..

Q.5(A) Answer the following questions. (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 ?

Q.5(B) Answer the following question. (Any two) (06)

1. Explain fseek() and ftell() functions.
2. Explain fgets() and fputs functions.
3. Explain text file and binary file.

Q.5(C) Answer the following question. (Any one) (05)

1. Explain pointer within array with example.
2. Write a short note on command line argument.
