

P.G.D.C.A Semester - 1 (CBCS) Examination
Nov/Dec-2023 (SYLLABUS YEAR JUNE-2018)
PROGRAMMING IN C(CORE)

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

1. Figures to the right indicate marks.
 2. All questions are compulsory.
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- Que.1(A) Answer the following. (03)
1. A float variable occupies..... bytes in the memory.
 2. Who was the founder of C language?
 3. What is a keyword?
- Que.1(B) Attempt the following. (any two) (06)
1. What is dry run? Explain with example.
 2. Explain the concept of various datatypes in C.
 3. What is constant? Explain its usefulness.
- Que.1(C) Attempt the following. (any one) (05)
1. Explain in details with example: Flow Chart.
 2. List various operators. Explain Logical Operators.
- Que.2(A) Answer the following. (03)
1. Give example of an Exit controlled loop.
 2. We can make multiple iterations using if statement: True/False.
 3. Using keyword, we can come out of the current loop.
- Que.2(B) Attempt the following. (any two) (06)
1. Explain if statement with example.
 2. What is looping? Explain its usefulness.
 3. Differentiate between Entry controlled loop and exit controlled loop.
- Que.2(C) Attempt the following. (any one) (05)
1. Explain switch/case with example.
 2. Write a program to print tables from 2 to 5 on console.
- Que.3(A) Answer the following. (03)
1. Give full form: UDF.
 2. What is a header file?
 3. Total number of characters in a string can be found by _____ function.
- Que.3(B) Attempt the following. (any two) (06)
1. What is the use of malloc() function? Explain with example.
 2. Explain any two input functions with example.
 3. Explain any one string function with example.
- Que.3(C) Attempt the following. (any one) (05)
1. List and explain various storage classes.
 2. List and explain various types of UDF.
- Que.4(A) Answer the following. (03)
1. What is a string array?
 2. The array subscript starts with ____.
 3. Array is a primitive data type: True/False.

- Que.4(B) Attempt the following. (any two) (06)
1. Explain the concept of structure with example.
 2. Differentiate between structure and union.
 3. Explain the concept of 2 dimensional array with example.
- Que.4(C) Attempt the following. (any one) (05)
1. Explain with example: Array of structure.
 2. Write a program to show the use of Nested Structures.
- Que.5(A) Answer the following. (03)
1. What is data file in C?
 2. A pointer can point to a function: True/False.
 3. Using function, we can read data from a file.
- Que.5(B) Attempt the following. (any two) (06)
1. Explain the concept of pointer to structure with example.
 2. What is pointer to pointer? Explain.
 3. Explain how a pointer can store and retrieve values to and from array?
- Que.5(C) Attempt the following. (any one) (05)
1. Explain with example: Command line arguments.
 2. Explain the concept and importance of data files.
