

P.G.D.C.A Semester - 1 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2023)
Programming In C (Core (New-23))

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 following questions. (04)
1. Which operators are useful to build condition in C?
 2. A String constant always represented within pair of _____ quotes.
 3. Cross Rectangle is used to indicate Input/Output operation in Flow-Chart. (True / False)
 4. Which symbol is used to set single line comment in C?
- Que.1(B) Attempt following. (Attempt Any Two) (10)
1. Explain C tokens in detail.
 2. Difference between Traditional C V/S Modern C.
 3. Explain primitive data types available in C.
 4. Explain types of operators supported by C.
- Que.2(A) Attempt following questions. (04)
1. To write symbol of Conditional Operator.
 2. A loop with in a loop, it is called _____ loop.
 3. do.....while loop is called exit control loop in C. (True / False)
 4. Using _____ statement user transfer execution control at one place to another.
- Que.2(B) Attempt following. (Attempt Any Two) (10)
1. Explain if else statement with an example.
 2. Explain switch statement with an example.
 3. Explain for loop with an example.
 4. Explain break and continue statement with an example.
- Que.3(A) Attempt following questions. (04)
1. UDF stands for _____.
 2. A function contains self calling statement, then it is called _____.
 3. Automatic storage class member always work in local scope. (True / False)
 4. When we work with mathematical function then we need to include _____ header file in our link section.
- Que.3(B) Attempt following. (Attempt Any Two) (10)
1. Explain strcpy(), strcmp(), strlen() function with example.
 2. Explain ceil(), floor(), sqrt() function with example.
 3. Write a short note on Storage Classes.
 4. Explain Call By Reference with an example.
- Que.4(A) Attempt following questions. (04)
1. int A[5][6]; As per statement A variable is able to store _____ elements.
 2. First element of Array always starts with _____ index.
 3. What is Structure?
 4. int A[] = {20,30,40,50}; A is loaded on Memory with 8 bytes. (True / False)

Que.4(B) Attempt following. (Attempt Any Two) (10)

1. Difference between Structure V/S Union
2. Explain 2 Dimensional array memory management in detail.
3. Explain Nested Structure with an example.
4. Explain Array with functions using UDF with example.

Que.5(A) Attempt following questions. (04)

1. `int *p;` p is a _____ variable.
2. Which function open file into file pointer variable.
3. _____ function return current pointer position in the file.
4. When we pass any parameter to main function, is it called command line argument? (True / False)

Que.5(B) Attempt following. (Attempt Any Two) (10)

1. Explain pointer to array with an example.
2. Explain command line arguments with an example.
3. Explain pointer within structure with an example.
4. Explain `ftell( )`, `fseek( )` function with an example.
