



MATS
UNIVERSITY

**MATS CENTRE FOR DISTANCE AND ONLINE EDUCATION
(MCDOE)**

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NAAC A⁺
GRADE
ACCREDITED UNIVERSITY

Assignment Work
Session: July 2025-26

Max Marks – 30

Min Marks-12

Name of Programme: PGDCA_I

Programme Code:

Name of Course: Programming in C

Course Code:

Name of Learner:

Enrollment Number:

Mobile Number:

Email ID:

Address:

Centre: MCDOE

Instruction to Submit Assignment

- All assignments should be completed and submitted at MCODE study centre before the due date.
- All the Assignment should be written by the learners, in some aspects print out of the assignment will also be accepted.
- The date of submission will be provided by the programme coordinator.
- The assignments constitute the continuous component of the evaluation process and have 30% weightage in the final grading. The students need to score minimum marks as per Examination Scheme of particular programme in the assignments of each course in order to clear the continuous evaluation component.
- Without submission of the assignment learners are not allowed to appear in the term end examination.
- Assignments should be brief, precise and in your own words. Please do not copy the answers from the study material.
- You may retain a copy of your assignment response to avoid any unforeseen situation.

Attempt all questions. All questions carry equal marks. (5*3)

1. What is C programming? Write any three features of C.
2. What is a variable? Explain the rules for naming variables in C.
3. Define loop. Write the syntax for for loop.
4. What is an array? Give an example of declaration and initialization.
5. What is a function? Differentiate between call by value and call by reference.

Attempt all questions. All questions carry equal marks. (3*5)

1. Explain the structure of a C program with a suitable example.
2. What are Decision-Making Statements in C? Explain if, if-else, and switch with examples.
3. Explain the concept of pointers. Discuss pointer declaration, initialization, and pointer arithmetic with examples.