PGDLAN

Post Graduate Diploma

in

Library Automation and Networking

Assignments

For January 2026 and July 2026 Sessions

Faculty of Library and Information Science
School of Social Sciences
Indira Gandhi National Open University
Maidan Garhi New Delhi-110068

DATES FOR SUBMISSION OFASSIGNMENTS

FOR January SESSION 30th September 2026

FOR July SESSION 31st March 2027

WHERE TO SUBMIT THE ASSIGNMENTS

Kindly submit your assignments at the concerned Study Centre/TLC within the due dates as mentioned above

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INSTRUCTIONS FOR ASSIGNMENTS

As a part of PGDLAN Programme, each candidate has to do two Tutor Marked Assignments (TMAs), in all the seven courses except course MLIP – 008: Project. These TMAs comprise theoretical as well as practical assignments.

Assignments carry 20% weightage in the continuous evaluation process of a course. The term-end examinations carry 80% weightage.

The assignments will be evaluated by the Counsellors at the TLCs and the respective weightage of marks will be added to their percentage of marks obtained at the term-end examination. Each candidate will have to complete assignments in order to appear in the term-end examination. Candidates are, therefore, advised to take assignments seriously and submit them in time.

INSTRUCTIONS FOR TUTOR MARKED ASSIGNMENTS

1) The validity of the assignment is ONE YEAR. Those who take admission in January session have to attempt the assignments of January session only. If they fail to submit their assignments before the due date of the particular session, they are supposed to attempt the fresh set of assignments of subsequent January session (e.g. if a student of January 2026 session fails to submit her/his assignments till 30th September 2026, s/he will have to attempt the fresh assignments of January 2027 session). Similarly, those who take admission in July session have to attempt the assignments of July session only. If they fail to submit their assignments before the due date of the particular session, they are supposed to attempt the fresh set of assignments of subsequent July session (e.g. if a student of July 2026 session fails to submit her/his assignments till 31st March 2027, s/he will have to attempt the fresh assignments of July 2027 session).

2) Write your Enrolment Number, Name, Full Address and Date of Despatch at the top right-hand corner of the first page of your answer sheet.

3) Write the Programme Title, Course Title, Assignment Number, Code and Place of the Study Centre (TLC) on the left-hand corner of the first page of your answer sheet.

The top of the first page of your answer sheet for each assignment should be as follows:

Programme Title ……. Enrolment No. ……

Course Code & Title …… Name ……..

Assignment Number …… Address ……..

Study Centre/TLC (Code) ..... ……..

Study Centre/TLC……...…… .....

Place ..... Date ....……...

Note: Candidates are required to follow this format strictly otherwise the assignments will not be evaluated.

4) Your answer sheet should be complete in all respects. Make sure that you have answered all the questions in assignments before you submit them. Incomplete answer sheets will lead to poor marks.

5) As far as possible students are advised to give the relevant points from the course material and elaborate their answers and explanations in their own language instead of reproducing the language of the course materials.

6) You are advised not to copy from the study material while attempting the assignments. In case it is found that the assignments have been copied from study material, you will be awarded zero marks.

7) Avoid copying from the answer sheets of other students. If copying is noticed, the assignments of such students will be rejected.

8) Use only foolscap size paper for your answers, ordinary writing paper, neither too thick nor too thin, will do.

9) Leave 3" margin on the left and at least 4 lines in between each answer in an assignment. This will enable your Counsellor to write useful comments in appropriate places. Write question number for each answer.

10) The Coordinator of your Study Centre/TLC will return the evaluated assignments to you. This will also include a copy of assessment sheet containing global comments of the evaluator on your performance in the assignments. This will enable you to improve in your future assignments as well as in the term-end examinations.

11) The Tutor Marked Assignments should be sent to the Coordinator / Programme In-charge of

the Study Centre/TLC allotted to you.

PRACTICAL ASSIGNMENTS

Assignment No. 2 of each course (TMA – P), which is for practical, is to be carried out at Study Centres/ TLCs. These have to be submitted/shown to the concerned counsellors.

MLI-007: Programming

TMA – Practical

Coverage: **Course Code: MLI-007**

Course: Programming **Assignment Code: AST/TMA-T/Jan. & July 2026**

Blocks: 2 to 4

Units: 4to 24 **Total Marks: 50**

General Instructions for Practical Assignment:

i) Compilers to work on for the practical assignment will be provided by the counseller/practical supervisor in the Study/TeleLearning.

ii) You are required to do the practical assignment in the Study/Tele Learning Centre. EvaluationoftheassignmentwillbedonebytheCounsellor/PracticalSupervisorontheSpot.

iii) Attempt either Group A (C++) or Group B (Visual Basic) or Group C (Java).

iv) For Each C++ and Java program, students are required to design a class construct.

v) All questions are compulsory.

Group A: (C++)

1) Write a menu driven program for following: a) display a Fibonacci series b) compute Factorial of a number c) to check whether a given number is odd or even. d) To check whether a given string is palindrome or not.

2) Write a program to print the sum and product of digits of an Integer and reverse it.

3) Write a program to create an array of 10 integers. Accept values from the user in that array. Input another number from the user and find out how many numbers are equal to the number passed, how many are greater and how many are less than the number passed.

4) Write a program that will prompt the user for a list of 5 prices. Compute the average of the prices and find out all the prices that are higher than the calculated average.

5) Design a class named Car, having registration number, model and engine as its

private members. Here engine is an object of a class called Engine with the private members: Chassis number and make. Define a suitable constructor of Car and override to String () Method to print the details of a car. Assume appropriate data types for the instance members of the classes. Write a Java program to test the above class.

6) Write a program that computes the area of a circle, rectangle and a Cylinder using function overloading.

(OR)

Group B: (Visual Basic)

1) Enter a list of positive numbers terminated by zero. Find the sum and average of these numbers.

2) A person deposits Rs. 1000 in a fixed account yielding 5% interest. Complete the amount in the account at the end of each year for n years.

3) Read n numbers. Count the number of negative numbers, positive numbers and zeros in the list.

4) Read n numbers. Count the number of negative numbers, positive numbers and zeroes in the list.use arrays.

5) Read a two-dimension array. Find the sum of two 2D Array.

Group C: (Java)

1) Explain the object-oriented programming features of JAVA (5)

2) Write a java program to compute the square, cube of a number entered by a user using methods. (5)

3) Write a java program to demonstrate the use of: A) Bitwise operators. B) Shift operators. (5)

4) Write a java program to compute maximum of three numbers: A) using ternary operator. B) Using if-else statement. (5)

5) Write a menu driven program (using switch-case) which accepts a number as user input: A) Checks whether the number is even or odd B) Checks whether the number is prime (5)

6) Write a menu driven program (using switch-case) which accepts a number as user input: A) Prints sum of digits of the given number B) Prints reverse of the given number. (5)

7) Write a program to display the first n terms of a Fibonacci series. (5)

8) Write a method to compute the factorial of a number. (5)