

CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

ASSIGNMENTS

(July - 2026 & January - 2027)

(CIT-001, CIT-002, CIT-003 and CITL-001)



**SCHOOL OF COMPUTER AND INFORMATION SCIENCES
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

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Important Notes

1. Submit your assignments to the Coordinator of your Study Centre on or before the due date.
2. Assignment submission before due dates is compulsory to become eligible for appearing in corresponding Term End Examinations. For further details, please refer to CIT Programme Guide.
3. To become eligible for appearing the Term End Practical Examination for the lab course CITL-001, it is essential to fulfill the minimum attendance requirements as well as submission of assignments (on or before the due date). For further details, please refer to the CIT Programme Guide.

Course Code	:	CITL-001
Course Title	:	Laboratory Course
Assignment Number	:	CIT/CITL-001/ASSIGN/2026-27
Maximum Marks	:	25
Last Dates for Submission	:	31st October, 2026 (For July Session)
	:	15th April, 2027 (For January Session)

There are five questions in this assignment of 5 marks each. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the CIT Programme Guide. Submit the screenshots also along with the coding and documentation.

Make suitable assumptions if any

Question 1: (5 Marks)

Write a C program using functions to accept three lists of numbers from the user and merge them into one sorted list. Each list should contain not more than five numbers. The program should validate the input, combine all the numbers, sort them in ascending order, and display the final sorted list.

Question 2: (5 Marks)

Create a Hospital Database using MS-Access. The database should include fields such as Doctor ID, Doctor Name, Specialization, Consultation Fee, Patient ID, Patient Name, Age, Gender, Patient Type, and Doctor's Recommendations. Add at least five records, create a data entry form, and generate a report showing patient details doctor-wise.

Question 3: (5 Marks)

Write a Java Applet to calculate Simple Interest. The applet should accept Principal Amount(P), Annual Rate of Interest(R), and Number of Months(M) as input. It should calculate Simple Interest using the formula: $S.I. = (P \times R \times M) / (100 \times 12)$ and display the result when the user clicks a button.

Question 4: (5 Marks)

Use MS-Word Mail Merge to create personalized admission letters for students. Prepare a data source containing Student Name, Course Name, Admission Number, Study Centre, Fee Status, and Reporting Date. Generate individual admission letters using Mail Merge.

Question 5: (5 Marks)

Create a Student Marks Analysis Sheet in MS-Excel. Prepare an Excel sheet with Enrolment Number, Student Name, Course 1, Course 2, Course 3, Course 4, Total, Percentage, and Grade. Use formulas to calculate total marks, percentage, grade, highest marks, lowest marks, and identify the top five students.