

**CERTIFICATE  
IN  
INFORMATION TECHNOLOGY  
(CIT)**

**ASSIGNMENTS**

**(July - 2025 & January - 2026)**

**(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**

<b>Course Code</b>	:	<b>CITL-001</b>
<b>Course Title</b>	:	<b>Laboratory Course</b>
<b>Assignment Number</b>	:	<b>CIT/CITL-001/ASSIGN/2025-26</b>
<b>Maximum Marks</b>	:	<b>25</b>
<b>Last Dates for Submission</b>	:	<b>31<sup>st</sup> October, 2025 (For July Session)</b>
	:	<b>15<sup>th</sup> April, 2026 (For January Session)</b>

**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.**

**Question 1:** **(5 marks)**

Write a C program using functions to multiply two matrices of size 4 x 4. Allow the user to input the matrix elements. Display the input matrices and the resultant matrix after multiplication.

**Question 2:** **(5 marks)**

Develop a basic e-commerce website for a household utility store. The website should display various categories of items like groceries, cleaning products, etc., along with their prices. Include a registration form where users can enter their name, contact details, and delivery address. Apply a discount for purchases totalling Rs. 2500 or more.

**Question 3:** **(5 marks)**

Create a Java applet that takes temperature input from the user in either Celsius or Fahrenheit and converts it to the other scale i.e. Celsius to Fahrenheit (Or Vice Versa), based on the user's selection from a dropdown menu. Display the converted result on the screen.

**Question 4:** **(5 marks)**

Design a "Student Information System" database using MS-Access. Include tables for Students, Courses, and Enrolments. Make appropriate assumptions about the fields and relationships among these tables.

**Question 5:** **(5 marks)**

Demonstrate the functionality of the "References" tab in MS-Word by creating a mini-project report. Show the use of features like Table of Contents, Citations, Bibliography, Footnotes, and Cross-referencing.