

**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**

CONTENTS

Course Code	Assignment No.	Maximum Marks	Page No.
CIT-001	CIT/CIT-001/ASSIGN/2025-26	25	3
CIT-002	CIT/CIT-002/ASSIGN/2025-26	25	4
CIT-003	CIT/CIT-003/ASSIGN/2025-26	25	6
CITL-001	CIT/CITL-001/ASSIGN/2025-26	25	7

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 : **CIT-002**
Course Title : **Introduction to Information Technology**
Assignment Number : **CIT/CIT-002/ASSIGN/2025-26**
Maximum Marks : **25**
Last Dates for Submission : **31st October 2025 (For July Session)**
15th April 2026 (For January Session)

There are four questions in this assignment. Answer all the questions. The examples, whenever asked to be given, should be different from those that are discussed in the corresponding course material.

Question 1: (Covers Block 1) (6 marks)

- (a) Differentiate between (i) Data and Information, and (ii) Knowledge and Wisdom. Give one example each of data, information, knowledge and wisdom. List different sources of information.
- (b) What are Information and Communication Technologies (ICT)? Explain the benefits of ICT. Explain the reasons for the existence of the digital divide.
- (c) What is a digital identity? How is digital identity used in cyberspace? Explain with the help of an example.

Question 2: (Covers Block 2) (2+1+2+2= 7 marks)

- (a) What are the advantages and limitations of e-Commerce? Explain. What are the security issues relating to e-commerce systems?
- (b) What are the objectives of e-Governance?
- (c) Explain the use of the following in eLearning:
 - (i) Chat (ii) e-mail (iii) Mailing lists (iv) Videoconferencing
- (d) Explain the use of ICT in online medical advice and evidence-based medicine.

Question 3: (Covers Block 3) (6 marks)

- (a) List and explain any 6 requirements for the development of an Information System for a departmental store.
- (b) Explain the following components of an MIS.
 - i) Inventory and Materials Management
 - ii) Quality control
- (c) List the features of the COURTIS and ERNET projects in India.

Question 4: (Covers Block 4) (6 marks)

- (a) List the features of the programming languages used for embedded systems. Differentiate between VHDL and VERILOG.

- (b)** Explain the following in the context of HCI:
- (i) Digital Camera and Plotters
 - (ii) Menus, Push buttons, Radio Buttons and Checkboxes
- (c)** Explain the following in the context of Computer Vision:
- (i) Pixel
 - (ii) Occlusion
 - (iii) Face Detection
 - (iv) Image Restoration
 - (v) Optical character recognition
 - (vi) Unmanned Aerial Vehicle (UAV)