

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 : CIT-003
Course Title : Web based Technologies and Multimedia Applications
Assignment Number : CIT/CIT-003/ASSIGN/2026-27
Maximum Marks : 25
Last Dates for Submission : 31st October, 2026 (For July Session)
15th April, 2026 (For January Session)

There are two questions in this assignment which carry 25 marks. Answer all the questions. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the CIT Programme Guide.

Question 1: (10 Marks)

Explain the architecture and working of the Internet. Discuss the role of web browsers, search engines, and Internet protocols (HTTP, HTTPS, FTP, and SMTP) in accessing and exchanging information over the Internet. Illustrate your answer with suitable diagrams and examples.

Question 2: (15 Marks)

Describe the principles of effective web page design and multimedia integration. Explain the role of HTML, web page designing tools, frames, forms, graphics, audio, video, and animation in developing an interactive educational website. Discuss the factors that should be considered to improve usability and user experience.