

BACHELOR OF COMPUTER APPLICATIONS (BCA)

(Revised Syllabus)

BCA(Revised Syllabus)/ASSIGN/SEMESTER-IV

ASSIGNMENTS

(July – 2026 & January - 2027)

**(BCS-040, MCS-024, BCS-041, BCS-042,
MCSL-016, BCSL-043, BCSL-044, BCSL-045)**



**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 BCA Programme Guide.
3. To become eligible for appearing the Term End Practical Examination for the lab courses, 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 BCA Programme Guide.

Course Code	:	MCSL-016
Course Title	:	Internet Concepts and Web Design
Assignment Number	:	BCA(IV)/L-016/Assignment/2026-27
Maximum Marks	:	100
Weightage	:	25%
Last Dates for Submission	:	31st October, 2026 (For July 2026 Session)
	:	30th April, 2027 (For January 2027 Session)

There are two questions in this assignment carrying a total of 80 marks. Rest 20 marks are for viva voce. You may use illustrations and diagrams to enhance the explanations. Please go through the guidelines regarding assignments given in the Programme Guide for the format of presentation. Submit the screenshots along with the coding and documentation.

Q1: (70 Marks)

A college library provides information about its services through a website. The website displays a list of available books in lexicographic order of book title. The list includes the book title, author, subject, and whether the book is issued or available in the library. In addition, the website provides two forms: the first allows students to become library members, and the second allows students to submit suggestions about the library.

Design and create a website for the library with four web pages, namely, Home, Book_List, Member_Registration, and Suggestion, having the following features:

For consistency, every webpage of the proposed website should consist of the following three basic divisions:

Header – This division should be the same for all four web pages. It should display the name and logo of the library. This header division should have a different background colour.

Links – This division should be the same for every web page. It should contain links to all the web pages, namely Home, Book_List, Member_Registration, and Suggestions.

Content – The four web pages should differ only in this division. This division should display the page-specific information described below:

- **Home** page should display a welcome message for visitors to the library website.
- **Book_List** page should display information about all the books using a table.
- **Member_Registration** page should contain a form with the following fields:
 - Student Name,
 - Course,
 - Contact Number, and

- SUBMIT button.

Write JavaScript code to verify that all the fields are filled before the form is submitted. The validation should be performed when the SUBMIT button is clicked.

- **Suggestions** page should contain a form with two input fields:

- Student Name and
- a text area for entering suggestions.

This form should also contain a SUBMIT button.

You must submit the hard copy of the HTML code of every web page and screenshots of the display of the web pages in a browser window. You should demonstrate these webpages at the time of the viva

Q2:

(10 Marks)

What are the different ways of using a style sheet with an HTML web page? Explain with the help of an example of each.