

**JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2018 BATCH AND THEREAFTER**

Programme: B.C.A

Semester: II

WEB DESIGNING – LAB

Course Code: 18BCAIP1

No. of Hours: 60

COURSE OBJECTIVES:

- To acquire knowledge and Skills for creation of Web Site considering both client- and server-side Programming.
- To create Web application using tools and techniques used in industry.
- Design a basic web site using HTML5 and CSS3 to demonstrate responsive web design.
- Implement dynamic web pages with validation using JavaScript objects by applying different event handling mechanism.

LEARNING OUTCOMES:

- After this course the students will develop an ability to develop web pages using HTML and Cascading Style Sheets.
- Knowledge of client-side (JavaScript) to build dynamic web pages.

PART-A

1. Write a HTML program to create a webpage about the different art forms of India, with appropriate title on the title bar. Use different heading tags for the headings, and list them using ordered list.
2. Write a HTML program to create sections in the document using appropriate tags and apply different color as background to them. Use internal hyperlinks to move to different points within the page.
3. Write a HTML program to insert a picture on the webpage, giving description for the picture in a paragraph. Use properties of height, width, hspace, vspace and align, with different values.
4. Write a HTML Program, to create a profile of 2 pages, the First page containing the applicant's picture with personal details using unordered lists, and the second containing Educational details using tables. Use hyperlinks to move to the next page.
5. Using Frames create an Indian Flag and insert the image of chakra in the center.
6. Create a frame like structure based on the given diagram, such that When the first link is clicked, the contents of the first frame is filled with the corresponding information and when the second link is clicked the second frame is filled.

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	Simulation

7. Write a program in HTML to demonstrate the concept of Image map, for India map. Map for areas rectangle, Circle and polygon.

PART-B

1. Write a program using Javascript to do the multiplication table for a number entered by the user in the textbox.
2. Create a sparse array using the values entered by the user in the five textboxes, and use Array methods such as sort(),pop(),push(), reverse() and join().
3. Create a Math object and use methods ceil(),floor(), round() for rounding off the number, also use methods such as cos(), sin(),sqrt().
4. Write a Program using Javascript to print a bill for 5 items purchased by the user.
5. Write a program Using Date object, to display appropriate greeting message “Good Morning” or “Good Afternoon” or “Good Night”, in an alert box with the user’s name, after receiving the same in the prompt box.
6. To demonstrate the concept of styles, Write a program applying internal style for paragraph tag, and override the same by applying inline style. Also create an external CSS file applying styles for the headings.
7. Create a registration form for creating an email account, having the input type elements like checkbox, radio button, select option, text area and submit button, and validate the textboxes for verifying the password.
8. Create a web page using two image files, which switch between one another as the mouse pointer moves over the image. Use onMouseOut and onMouseOver event handlers.
9. Using filters apply opacity feature to blur the image and using Transition apply hover feature, so the image will be transparent again when the mouse pointer is placed on the image.