

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V EXAMINATION – WINTER 2025****Subject Code:3151606****Date:19-11-2025****Subject Name:Web Development****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

MARKS

- Q.1**
- | | | |
|-----|---|-----------|
| (a) | Define web browser. | 03 |
| (b) | Discuss Web Security in brief. | 04 |
| (c) | What is HTTP? Explain HTTP Header with example. | 07 |

- Q.2**
- | | | |
|-----|--|-----------|
| (a) | What is meta tag? How it is useful by search engine? | 03 |
| (b) | What is CORS? Write code to implement simple cross-origin resource sharing and wildcards. | 04 |
| (c) | What is HTML table? Explain table element with necessary attributes. Give the code to print following table. | 07 |

A	B	C
D	E	F
	G	H
F		

OR

- (c) How many types of list are supported by HTML? Explain each one in brief. **07**
- Q.3**
- | | | |
|-----|--|-----------|
| (a) | Define term: Boot Strap for CSS | 03 |
| (b) | Explain CSS positioning with Example. | 04 |
| (c) | What is selector class? Explain the pseudo class selector in CSS with example. | 07 |

OR

- Q.3**
- | | | |
|-----|---|-----------|
| (a) | What is Cascading Style Sheet? Compare inline, embedded and external style sheet with example. | 03 |
| (b) | Explain Class and ID Selector in CSS with examples. | 04 |
| (c) | Write HTML and CSS code for the following:
(i) Set the background color for the active link states to "blue". (ii) Set the list style for unordered lists to "circle".
(iii) Set "animation.gif" as the background image of the page. | 07 |

- Q.4**
- | | | |
|-----|---|-----------|
| (a) | Define term : JSON | 03 |
| (b) | Explain callbacks in JavaScript. | 04 |
| (c) | Design a login form using HTML & Javascript with following validations on username and password fields.
1. Password length must be 6 to 12 characters
2. Username should not start with _, @ or number.
3. Both should not be blank. | 07 |

OR

- Q.4**
- | | | |
|-----|-------------------|-----------|
| (a) | Define term: AJAX | 03 |
|-----|-------------------|-----------|

- (b) Explain Events in JavaScript with the help of example. 04
- (c) Write JavaScript code that display the text “Web Programming” with increasing font size in interval of 20ms in blue color. When font size reaches to 40px it should stop. 07
- Q.5** (a) List and explain different types of array in PHP with example. 03
- (b) Demonstrate session handling in PHP with example. 04
- (c) Write a PHP program to store user registration (user-name, address, Date of Birth, age, pan card, gender) with mysql database. 07
- OR**
- Q.5** (a) What PHP can do with header() command? 03
- (b) Differentiate synchronous and Asynchronous web programming. 04
- (c) Write a web application code using PHP, HTML and MySql for Employees that stores employee’s id, name, department, designation, etc. in database. Create proper GUI including buttons that run separate .php file for each database operation like insert, update, delete etc. 07
