

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VI EXAMINATION – WINTER 2025

Subject Code:3161012

Date:19-11-2025

Subject Name:Web Technology

Time:02:30 PM TO 05:00 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) What is HTML? Explain basic structure of a simple HTML document. | 03 |
| | (b) Explain HTML headings with examples. | 04 |
| | (c) What is an HTML tag? Explain the following HTML tags: <h1>, <p>, <a>, ,
, <body> | 07 |
| Q.2 | (a) What is an HTML element? Explain HTML element with the help of an example. | 03 |
| | (b) Draw and Explain Architecture of Web Browser. | 04 |
| | (c) Explain different design issues involved in designing an effective website. | 07 |
| OR | | |
| | (c) What is HTML attributes? Explain href, style and src attributes with an example. | 07 |
| Q.3 | (a) Which are the points to be considered for planning a website? | 03 |
| | (b) Design an HTML form for user registration. | 04 |
| | (c) What is CSS? Explain the three different types of CSS with example. | 07 |
| OR | | |
| Q.3 | (a) Explain: Absolute URL, Relative URL | 03 |
| | (b) Write HTML and CSS code for the following: | 04 |
| | (i) Set color of visited link to "green". | |
| | (ii) Set background color of paragraph to "yellow" | |
| | (c) Explain how to create a Table in HTML page. Write HTML code to print the table. | 07 |
| Q.4 | (a) Compare Server side scripting vs. Client side scripting. | 03 |
| | (b) Explain Ordered and Unordered lists with examples. | 04 |
| | (c) What do you mean by event in JavaScript? Give two examples of events with their handling. | 07 |
| OR | | |
| Q.4 | (a) Discuss any three ways to declare JavaScript variable. | 03 |
| | (b) List out types of JavaScript operators. | 04 |
| | (c) List out and explain conditional statements in PHP. | 07 |
| Q.5 | (a) What is PHP? List out few features of PHP. | 03 |
| | (b) Write a JavaScript to check input string is palindrome or not. | 04 |
| | (c) Explain the operators supported by PHP. | 07 |

OR

- | | | | |
|------------|------------|---|-----------|
| Q.5 | (a) | List out types of arrays supported by PHP. Explain any one in detail. | 03 |
| | (b) | Write a JavaScript program to validate an Email address. | 04 |
| | (c) | Discuss data types supported by PHP. | 07 |

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VI (NEW) EXAMINATION – WINTER 2024****Subject Code:3161012****Date:28-11-2024****Subject Name: Web Technology****Time:02:30 PM TO 05:00 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) Give full form of following Acronyms: **03**
 (a) WWW (b) HTTP (c) XHTML
- (b) List and explain various list tags in HTML with example. **04**
- (c) What is HTML table? Explain table element with rowspan, colspan, align, valign, cellpadding, cellspacing attributes. Write HTML code to print following table. **07**

Branch	Boys	Girls	Remarks
EC	46	16	12 are local
CE	28	21	5 are local

- Q.2** (a) Differentiate CSS vs HTML. **03**
 (b) Differentiate Conventional HTML vs HTML5 **04**
 (c) Design login page with following detail **07**
 (a) Login ID (b) Password (c) Login Button(d)Signup and (e) Forgot password link.

OR

- (c) What is HTTP? Explain HTTP Request and Response. **07**

- Q.3** (a) How 2D and 3D transitions are done in CSS. **03**
 (b) What is CSS? Explain the different types of CSS. **04**
 (c) Write CSS code for the following: **07**
 1) Set the background color for the hover and active link states to "yellow".
 2) Set the list style for unordered lists to "square".
 3) Set "paper.gif" as the background image of the page.

OR

- Q.3** (a) Describe CSS Box model. **03**
 (b) Write HTML+CSS code to have following effects: **04**
 1) Title Line : color=blue, font-style=Calibri , font-size=20, alignment=center
 2) Paragraph : color=red, font-style=Cambria, font-size=15, alignment=left
 Title line : History of India
 (c) What is positioning in CSS? Explain it with example. **07**

- Q.4** (a) List out some advantages of JavaScript. **03**
 (b) Explain any two types of events in Java Script with Example. **04**
 (c) What is client-side scripting? Write an HTML and JavaScript program which accepts N as input and print first N odd numbers. **07**

OR

- Q.4** (a) List the data types in Javascript. **03**
 (b) Differentiate between Client-Side Scripting and Server-Side Scripting. **04**
 (c) Explain pop-up boxes in JavaScript with example. **07**

- Q.5** (a) What is use of “break” and “continue” statements in PHP scripts? **03**
(b) Write a PHP program to find whether entered year is leap year or not. **04**
(c) Explain features of PHP. Discuss various types of control statements in PHP. **07**
- OR**
- Q.5** (a) Explain date() function in PHP. **03**
(b) Write a PHP script to print first N Fibonacci numbers. **04**
(c) What is CRUD operations with Database in PHP? **07**

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2023****Subject Code:3161012****Date:07-12-2023****Subject Name:Web Technology****Time:02:30 PM TO 05:00 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) Describe planning of the website and its navigation. **03**
 (b) Explain following html tags with proper example. (any two) **04**
 1. 2. <a> 3. <p>

- (c) Describe web design issues. How developer can design website effectively? **07**

- Q.2** (a) Explain new elements in HTML5. **03**
 (b) Discuss frames in HTML. **04**
 (c) Discuss about HTML form tag. Give names of different form attributes and create a student feedback form (use textbox, text area, checkbox, radio button, select box etc.) **07**

OR

- (c) What is HTML table? Explain table element rowspan and colspan with necessary attributes. Write HTML code to print following table. **07**

A		B		C	
p	q	r	s	t	u

- Q.3** (a) Explain importance of CSS. Write the syntax for defining CSS. **03**
 (b) Explain BOX Model in CSS. **04**
 (c) List different font properties in CSS and explain it with suitable examples. **07**

OR

- Q.3** (a) Explain different types of CSS. **03**
 (b) Illustrate advantages and limitations of CSS. **04**
 (c) Write and explain Border and Padding properties in CSS along with suitable examples. **07**

- Q.4** (a) Explain nested loops in JavaScript. **03**
 (b) List different text properties in CSS and explain any two of them with suitable example. **04**
 (c) Write a JavaScript code to find out factorial of the given number. **07**

OR

- Q.4** (a) List out the salient Features of CSS 3.0. **03**
 (b) Explain JavaScript Functions. **04**

- (c) Write a JavaScript code to find out whether the given number is a Palindrome or not. **07**

- Q.5** (a) State the difference between session and cookie in PHP. **03**
(b) Describe CRUD operations with reference to database in PHP. **04**
(c) Explain arrays in PHP. **07**

OR

- Q.5** (a) What PHP can do with header() command? **03**
(b) Differentiate identical and equal operator in PHP. **04**
(c) Explain string functions in PHP. **07**

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022****Subject Code:3161012****Date:15-12-2022****Subject Name:Web Technology****Time:02:30 PM TO 05:00 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) Draw and explain Web Browser Architecture.	03
(b) How 2D and 3D transitions are done in CSS.	04
(c) How Error Handling is done in PHP?	07
Q.2 (a) What do you mean by Protocols? Discuss in detail.	03
(b) List out Types of Web Servers and explain anyone in detail.	04
(c) How to Get Last ID in PHP?	07
OR	
(c) Design a registration page in HTML.	07
Q.3 (a) What is the difference between identical and equal operator in PHP? Explain with example.	03
(b) Differentiate between “ID” and “CLASS” using suitable examples.	04
(c) What is HTTP? Explain HTTP Request and Response.	07
OR	
Q.3 (a) Differentiate CSS vs HTML.	03
(b) Give full form of following Acronyms: (a) URL (b) HTTP (c) HTML (d) ISP	04
(c) What is CRUD operations with Database in PHP?	07
Q.4 (a) Discuss how display resolution affects website design	03
(b) List out HTML Elements? Explain any one in detail.	04
(c) What do you mean by event in JavaScript? Give at least two examples of events with their handling	07
OR	
Q.4 (a) List out Various Input Elements of HTML and explain any one in detail.	03
(b) What do you mean by Meta Tags? Show their meaning and uses with examples.	04
(c) What is HTTP? Explain HTTP Request and Response	07
Q.5 (a) What is CSS? Explain the different types of CSS.	03
(b) Explain Frames in HTML with examples.	04
(c) Differentiate Conventional HTML vs HTML5	07
OR	
Q.5 (a) What is Purpose of JavaScript?	03
(b) What is Cookies? How it affects system?	04
(c) List out and explain the website design principles.	07
