

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –SUMMER-2026

Subject Code: BC01001031

Date: 18/05/2026

Subject Name: Fundamentals of 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. Use of simple calculators and non-programmable scientific calculators are permitted.

Marks

Q.1 (a) Do as Directed:

07

1. The correct sequence of HTML tags for starting a webpage is -
 - a) Head, Title, HTML, body
 - b) HTML, Body, Title, Head
 - c) HTML, Head, Title, Body
 - d) HTML, Head, Body, Title
2. HTTP stands for
 - a) Hyper Text Transfer Protocolss
 - b) Hyper Text Transfer Process
 - c) Higher Text Transfer Process
 - d) None of the above
3. In HTML, we use the <hr> tag for _____.
 - a) horizontal ruler
 - b) new line
 - c) new paragraph
 - d) vertical ruler
4. The "function" and " var" are known as:
 - a) Keywords
 - b) Data types
 - c) Declaration statements
 - d) Prototypes
5. How do you declare a variable in JavaScript?
6. What is a web server?
7. JSON stands for _____.

(b) What is XHTML? Explain the Difference Between HTML and XHTML.

07

Q.2 (a) Explain any five types of selectors in CSS.

07

(b) What is a JavaScript? What are data types supported by JavaScript .

07

OR

(b) What is a protocol ?Explain HTTP,HTTPS and FTP in detail.

07

Q.3 (a) Explain the structure of the HTML webpage with an example.

07

(b) Explain types of CSS in detail.

07

OR

- Q.3** (a) What is JSON ? Explain advantages and Disadvantages of it. **07**
(b) Explain types Loops available in JavaScript with example. **07**
- Q.4** (a) Write a short note on HTML Tables. Explain common Table Tags. **07**
(b) Explain the functionalities of Webserver and Web client in detail with diagram. **07**

OR

- Q.4** (a) Design a Registration page using HTML and Include fields for username, password, email and a submit button . **07**
(b) Explain in detail the different types of lists in HTML with Example. **07**
- Q.5** (a) Write a JavaScript program to create Popup box, alert and confirm box. **07**
(b) Define a nested Unordered list in HTML and write the code to display a list with the following items: **07**
- DSA
 - Array
 - Linked List
 - Stack
 - Queue
 - Web Technologies
 - HTML
 - CSS
 - JavaScript
 - Aptitude
 - Gate
 - Placement

OR

- Q.5** (a) What is a function? Explain the different types of string functions with examples. **07**
(b) Write the HTML code to create the following table: **07**

	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/ MCA INTEGRATED – SEMESTER I- EXAMINATION –SUMMER-2025

Subject Code: BC01001031

Date: 09/06/2025

Subject Name: Fundamentals of 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. Use of simple calculators and non-programmable scientific calculators are permitted.

	Marks
Q.1 (a) Answer Following	
1. Define Internet	01
2. Write full form of WWW	01
3. Write full form of https	01
4. Write full form of URL	01
5. Explain about Browsers Function	03
(b) 1. Explain about Web Server	04
2. Write Full Form of XHTML, , , <a>	03
Q.2 (a) Explain about rowspan and colspan with Example	07
(b) Give Differences between HTML v/s XHTML	07
OR	
(b) Give Differences between HTML v/s HTML5	07
Q.3 (a) Explain CSS Selectors with Example.	07
(b) Explain Box Model Concept with Example.	07
OR	
Q.3 (a) What is the use of Z-index? Explain with Example.	07
(b) Explain about float and clear with Example.	07
Q.4 (a) Explain operator in javascript.	07
(b) Explain conditional statement in javascript.	07
OR	
Q.4 (a) Explain Loop statement in javascript.	07
(b) Explain DOM in javascript.	07
Q.5 (a) 1. Explain any four string function in javascript.	04
2. What is JSON? What are the features of JSON?	03
(b) Explain schema in JSON.	07
OR	
Q.5 (a) 1. Explain any four math function in javascript.	04
2. Explain Data types of JSON.	03
(b) Explain about parsing JSON.	07

GUJARAT TECHNOLOGICAL UNIVERSITY

BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –WINTER-2024

Subject Code: BC01001031

Date: 02/01/2025

Subject Name: Fundamentals of Web Technology

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. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1** **(a)** Answer the following. **07**
1. What is a Web Browser?
 2. What is internet?
 3. Give full form of CSS.
 4. Explain comment in html.
 5. Explain HTTP.
 6. Write Full Form of: TCP/IP.
 7. Write Full Form of: DD
- (b)** Do as directed. **07**
1. Is Java Script case sensitive? (TRUE /FALSE).
 2. WWW stands for_____.
 3. _____ attribute of <HR> tag specifies the width of a horizontal line.
 4. The default color of a hyperlink on a webpage is _____.
 5. Is CSS is case sensitive? (TRUE /FALSE).
 6. The <legend> tag within the fieldset tag is required (TRUE /FALSE).
 7. External Java Script file has _____ extension.
- Q.2** **(a)** What is URL's? Explain basic structure of URL. **07**
- (b)** What is FTP? Explain types of FTP. **07**
- OR**
- (b)** Explain iframe tag with example. **07**
- Q.3** **(a)** Explain <input> tag with any five attribute with example. **07**
- (b)** Explain Formatting text, superscript, subscript tag with example. **07**
- OR**
- Q.3** **(a)** Explain table tag and basic attributes with example. **07**
- (b)** Define List. Explain ordered list and unordered list with example. **07**
- Q.4** **(a)** Explain CSS selectors. Explain with example. **07**
- (b)** Explain CSS Box Model in detail. **07**
- OR**
- Q.4** **(a)** List out types of style sheets. Explain External Style Sheet with example. **07**
- (b)** What is DOM in JavaScript? Explain in detail. **07**
- Q.5** **(a)** Explain the types of operators available in JavaScript. **07**
- (b)** List out types of JavaScript loop. Explain any one with example **07**
- OR**
- Q.5** **(a)** Explain JSON Object in detail with example **07**
- (b)** Explain data type of JSON in detail. **07**

Enrolment No. /Seat No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BCA/MCA INTEGRATED – SEMESTER I- EXAMINATION –WINTER-2025

Subject Code: BC01001031

Date: 11/12/2025

Subject Name: Fundamental of Web Technology

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. Use of simple calculators and non-programmable scientific calculators are permitted.

Q.1 (a) Explain the terms: 07
(1) HTTP, (2) FTP, (3) Web Server, (4) Internet,
(5) WWW, (6) Web Client, (7) URL.

(b) Explain structure of HTML page. 07

Q.2 (a) Answer the following: 07

1. Extension for External CSS is _____.
2. Which tag is used to add a row to a table in HTML?
3. HTML is not case sensitive. (TRUE/FALSE)
4. Full form of DOM is _____.
5. Which HTML tag is called the root element of an HTML document?
6. Which HTML tag is used to define a Javascript-like client-side scripting language?
7. Full form of JSON : _____.

(b) Explain <FORM> tag with its attributes and elements with example. 07

OR

(b) List types of CSS Selectors. Explain any one CSS Selector with example. 07

Q.3 (a) Explain different types of HTML Lists tag with examples. 07

(b) What is CSS? List types of style sheets and explain any one with example. 07

OR

Q.3 (a) Explain benefits of CSS. 07

(b) Explain CSS Box Model. 07

Q.4 (a) List out the types of operators in JavaScript. Explain any one with example. 07

(b) Write HTML code to display following table. 07

Students Records

Roll No.	Name	Total marks	Grade

OR

Q.4 (a) Explain block and inline elements in HTML. 07

- (b) Write a short note on Parsing JSON. **07**
- Q.5** (a) Write HTML code to embed JavaScript into a webpage. **07**
(b) Define JavaScript. Explain JavaScript functions with example. **07**
- OR**
- Q.5** (a) Explain Math and Date objects in JavaScript. **07**
(b) List and Explain data types in JSON. **07**
