

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VI EXAMINATION – WINTER 2025

Subject Code: 3160713

Date: 29-11-2025

Subject Name: Web Programming

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) Briefly discuss : Client Server Architecture.	03
(b) Discuss website design principles in detail.	04
(c) Enlist and explain the usage of various formatting related tags available in HTML.	07
Q.2 (a) State different usages of <meta> tags.	03
(b) Briefly discuss various tags available in HTML5.	04
(c) Differentiate between class and id in CSS.	07
OR	
(c) Create an animation using CSS to rotate a rectangle by 360 degree around its center in 8 seconds.	07
Q.3 (a) Briefly discuss the types of JavaScript can be used in HTML pages.	03
(b) Write a note on : DOM.	04
(c) Write a JavaScript function to validate an email address using Regular Expression.	07
OR	
Q.3 (a) Briefly explain the types of popup boxes available in JavaScript.	03
(b) Define a JavaScript function to check whether a number given by user is a Palindrome number or not.	04
(c) How can you use function as an argument in JavaScript? Explain with suitable example.	07
Q.4 (a) Differentiate between Client Side Scripting and Server Side Scripting.	03
(b) Explain types of arrays available in PHP with suitable example.	04
(c) Create HTML form that will allow a candidate to enter his/her name and browse his/her photo and signature. Also write PHP code to upload Photo into “Candidate_Photos” and Signature into “Candidate_Signatures” folders on the server.	07
OR	
Q.4 (a) State and explain the syntax for variable declaration in PHP. Also enlist the rules to be followed for naming a variable in PHP.	03
(b) What is session? Explain with suitable example.	04
(c) Create HTML form that can accept Passenger details such as Name, Mobile, Email, Address, Gender, Photo etc. Also write PHP code to display the accepted details.	07

- Q.5** (a) What is AJAX? State the advantages of using AJAX. **03**
(b) Develop API using PHP to display a student's record whose Enrollment Number is passed as an argument. Consider Student_info table of College database in MySQL. Assume necessary fields. **04**
(c) Write PHP code to store Passenger Registration details such as Name, Email, Mobile, Gender, Address and Photo_URL into a MySQL table Passenger_info. Also implement necessary validations. **07**

OR

- Q.5** (a) Differentiate between Synchronous and Asynchronous Web Programming. **03**
(b) What is JQuery? Explain the steps to use JQuery in a webpage. **04**
(c) Write PHP code that demonstrates the usage of Prepared Statement. **07**

***It is advisable to put fundamental questions of respective subject in Q1, as it is compulsory question.**
