

Enrolment No./Seat No\_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER- V EXAMINATION – SUMMER 2026

Subject Code:3154205

Date:30-05-2026

Subject Name: Web Application Development

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) Compare GET and POST method.                                                                              | 03    |
|     | (b) Make a short note on the Architecture of Web Browse.                                                      | 04    |
|     | (c) Construct HTML form for BE 1 <sup>st</sup> year student registration which includes all personal details. | 07    |
| Q.2 | (a) Explain Class and ID Selector in CSS with examples.                                                       | 03    |
|     | (b) Outline following HTML tags with example (i) <select> (ii) <pre>.                                         | 04    |
|     | (c) Outline rowspan and colspan used in HTML and give examples.                                               | 07    |
|     | OR                                                                                                            |       |
|     | (c) Outline Cascading Style Sheet and different types of CSS with example.                                    | 07    |
| Q.3 | (a) Design a java script to find whether entered number by user is Prime or Not.                              | 03    |
|     | (b) Outline Java script alert, prompt, confirm with example.                                                  | 04    |
|     | (c) Make a note on:                                                                                           | 07    |
|     | 1. JSON                                                                                                       |       |
|     | 2. Pop up boxes                                                                                               |       |
|     | OR                                                                                                            |       |
| Q.3 | (a) Outline Call back function in JavaScript with example.                                                    | 03    |
|     | (b) Explain different types of pop box in JavaScript with example.                                            | 04    |
|     | (c) Design a login form using HTML & JavaScript with following validations on username and password fields.   | 07    |
|     | • Password length must be 6 to 12 characters                                                                  |       |
|     | • Username should not start with _, @ or number.                                                              |       |
|     | • Both should not be blank.                                                                                   |       |
| Q.4 | (a) Outline Regular Expression in PHP.                                                                        | 03    |
|     | (b) Make a note on associative array in PHP with example.                                                     | 04    |
|     | (c) Outline document object model and any two objects with example.                                           | 07    |
|     | OR                                                                                                            |       |
| Q.4 | (a) Design a PHP program to find whether entered year is leap year or not.                                    | 03    |
|     | (b) Explain session in PHP with proper example.                                                               | 04    |

(c) What is query string? How is it transmitted to the server with the GET and POST methods? 07

**Q.5 (a) Define term: AJAX 03**

(b) Compare Synchronous and Asynchronous web programming. 04

(c) Outline Session & Cookie in PHP with proper example. 07

**OR**

**Q.5 (a) Define term: J -QUERY. 03**

(b) Outline database connectivity in PHP with example. 04

(c) Design php code to create database state, create table city(city name, area, population) and insert data from table. 07

\*\*\*\*\*