

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – WINTER 2023****Subject Code:3154205****Date:13-12-2023****Subject Name:Web Application 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 SEO.	03
(b) Explain the Architecture of Web Browser.	04
(c) Elaborate on the process of communication between a web browser and a server through HTTP requests and responses.	07
Q.2 (a) What is CSS? Explain it with its types.	03
(b) Explain with example frames in HTML.	04
(c) List out any seven HTML Tag and describe their functionality.	07
OR	
(c) What is document object model? Explain any two objects with example.	07
Q.3 (a) Define term: Boot Strap for CSS	03
(b) What are the advantages and disadvantages of client side scripting?	04
(c) Design a JavaScript code to find whether given number is Armstrong or not.	07
OR	
Q.3 (a) Define term: JSON	03
(b) Write a JavaScript that uses function to calculate how many days are left in your birthday?	04
(c) Design java script function to find maximum value among three different value entered by user.	07
Q.4 (a) Interpret PHP Function: Implode and Explode	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
OR	
Q.4 (a) Discuss Java script alert, prompt, confirm with example.	03
(b) Explain cookie in PHP with proper example.	04
(c) Write a PHP program to find whether entered year is leap year or not.	07
Q.5 (a) Define term: JQUERY	03
(b) Differentiate synchronous and Asynchronous web programming.	04
(c) How can you connect to database in PHP? Explain database connectivity in PHP with example.	07
OR	
Q.5 (a) Identify AJAX.	03
(b) What are the advantages of using JQuery?	04
(c) Design a PHP script to store user registration details (user-name, address, mobile no, age and gender) with MySQL database.	07
