

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2022****Subject Code:3161611****Date:10/06/2022****Subject Name:Advanced Web Programming****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
<b>Q.1</b>	(a) Explain the use of CSS with suitable example.	<b>03</b>
	(b) Write a note on angular JS.	<b>04</b>
	(c) What is the use of JavaScript? List and discuss the advantages of JavaScript.	<b>07</b>
<b>Q.2</b>	(a) Define Angular JS directives: ng-app, ng-model and ng-bind.	<b>03</b>
	(b) Write CSS code to display various border properties.	<b>04</b>
	(c) Discuss error handling in JavaScript using suitable example.	<b>07</b>
<b>OR</b>		
	(c) Write a note on various dialog boxes of JavaScript with example.	<b>07</b>
<b>Q.3</b>	(a) Write a note on CSS padding using suitable example.	<b>03</b>
	(b) Write a note on MVC architecture of Angular JS.	<b>04</b>
	(c) Explain Angular JS events using suitable example.	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(a) What is the use of Node JS?	<b>03</b>
	(b) Write a note on HTML DOM of Angular JS.	<b>04</b>
	(c) List and discuss various filters used in Angular JS.	<b>07</b>
<b>Q.4</b>	(a) Define REST Architecture in Node JS.	<b>03</b>
	(b) List and discuss features of Node JS.	<b>04</b>
	(c) Write a Node JS code to create a server.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) Write a short note on Network module in Node JS.	<b>03</b>
	(b) Discuss NPM (Node Package Manager) in Node JS.	<b>04</b>
	(c) What is stream? Write node JS code to read from stream.	<b>07</b>
<b>Q.5</b>	(a) Write the applications of Angular JS.	<b>03</b>
	(b) Write the differences between Application and controller modules in Angular JS.	<b>04</b>
	(c) Write Node JS programs for database connectivity with MongoDB including insert operation in MySQL database.	<b>07</b>
<b>OR</b>		
<b>Q.5</b>	(a) Write a note on MongoDB.	<b>03</b>
	(b) Discuss: sessions and cookies.	<b>04</b>
	(c) Explain piping and chaining of streams with example.	<b>07</b>

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