

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER– VI (NEW) EXAMINATION – WINTER 2021****Subject Code:3160713****Date:02/12/2021****Subject Name: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**

- Q.1**
- (a) Differentiate between GET and POST method **03**
- (b) Write a HTML snippet to show each letter of a word RAINBOW with new color, giving a rainbow effect. **04**
- (c) What is navigation? Discuss the characteristics of effective navigation. Also write code of html page to open a link in a new browser window. **07**

- Q.2**
- (a) What is the role of Cache and Cookies in the browser? **03**
- (b) Write a difference between following **04**
- a) HTML and XHTML
  - b) Client side scripting and Server side scripting
- (c) What is HTML form tag? Discuss the different form attributes and design a simple form to register student including name, roll no., semester, email, mobile number, gender, hobbies, and feedback, and also create two buttons submit and reset. **07**

**OR**

- (c) What is HTML table? Explain table element tr, td, th, rowspan and colspan. Write HTML code to print following time table **07**

Day	Lecture Timings		
	10:30am-11:30am	11:30am-12:30am	1:00am-2:00am
Monday	DS	SE	WP
Tuesday	OS	CN	ML
Wednesday	DS	WP	CN
Thursday	OS	SE	ML
Friday	Test day		

- Q.3**
- (a) What is CSS? What is the importance of CSS? List out the different ways to write CSS. **03**
- (b) What do you mean by meta tags? Show how can following be achieved with the help of metadata? **04**
- a) Stop the page from being listed
  - b) Set an expiration date
  - c) Stop the browser from caching a page
- (c) Design a form using HTML and JavaScript that asks the users to enter his date of birth and on clicking the calculate Button it calls the function that calculates how many days are left in your birthday? **07**

**OR**

- Q.3**
- (a) What is meta tag? How it is useful by search engine? **03**
- (b) Explain pop-up boxes in Java-Script with example **04**
- (c) Explain event handling in JavaScript with proper example. **07**

- Q.4** (a) Explain DOM with example. **03**  
 (b) List and explain various list tags in HTML with examples **04**  
 (c) Write and explain rules for well-formed XML documents **07**
- OR**
- Q.4** (a) What are web services? Explain role of SOAP in Web services. **03**  
 (b) Give a full form of following: **04**  
       (1) DTD (2) WAP (3) WML (4) SOAP  
 (c) Develop XML file for book record and also write a DTD and XSL for it. **07**
- Q.5** (a) Differentiate synchronous and Asynchronous web programming **03**  
 (b) Write a PHP script to print following pattern **04**  
       1  
       10  
       101  
       0101  
       10101  
 (c) What is PHP? How can you connect to database in PHP? Show the simple database operation using PHP with proper example. **07**
- OR**
- Q.5** (a) Explain Following XSL **03**  
       i) Value-of  
       ii) Sort  
 (b) Write PHP script to make sum of first 10 even numbers. **04**  
 (c) Write a web application code using PHP, HTML and MySQL for **07**  
       Employees that stores employee's id, name, department, designation, etc.  
       in database. Create proper GUI including buttons that run separate .php  
       file for each database operation like insert, delete, update etc.
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**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2022****Subject Code:3160713****Date:08/06/2022****Subject Name: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**

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|------------|-----|--|-----------|
| <b>Q.1</b> | (a) | Give full name of following acronym.<br>1) WWW 2) CSS 3) AJAX  | <b>03</b> |
|            | (b) | Explain different design issue at the time of designing an effective website.  | <b>04</b> |
|            | (c) | What is HTTP? Explain how browser and server communicate using HTTP request and response.                                  | <b>07</b> |
| <b>Q.2</b> | (a) | Explain ordered list and unordered list in HTML.   | <b>03</b> |
|            | (b) | Explain following html tags with proper example.<br>1. <img><br>2. <frameset>  | <b>04</b> |
|            | (c) | What is rowspan and colspan used in HTML? Give examples.   | <b>07</b> |
|            |     | <b>OR</b>  |           |
|            | (c) | What do you mean by “class” and “id” in CSS? Explain with Example.   | <b>07</b> |
| <b>Q.3</b> | (a) | Explain HTML media tags.   | <b>03</b> |
|            | (b) | What is positioning in CSS?  | <b>04</b> |
|            | (c) | What is document object model? Explain any two objects with example.   | <b>07</b> |
|            |     | <b>OR</b>  |           |
| <b>Q.3</b> | (a) | What is Bootstrap?   | <b>03</b> |
|            | (b) | What is CSS? Explain the different types of CSS.   | <b>04</b> |
|            | (c) | What is JavaScript event handling? List the major events and show use of at least one event by writing JavaScript code.    | <b>07</b> |
| <b>Q.4</b> | (a) | Explain callbacks in JavaScript.   | <b>03</b> |
|            | (b) | Write an HTML and JavaScript program which accepts N as input and print N is odd or even number.                           | <b>04</b> |
|            | (c) | What are the different types of arrays in PHP? Explain with examples.  | <b>07</b> |
|            |     | <b>OR</b>  |           |
| <b>Q.4</b> | (a) | Differentiate Client side scripting and Server side scripting.   | <b>03</b> |
|            | (b) | Explain file uploads in PHP.   | <b>04</b> |
|            | (c) | What is PHP Form processing? Write an HTML and PHP program which accepts N as input and print N Fibonacci numbers as list. | <b>07</b> |
| <b>Q.5</b> | (a) | Explain Regular Expression in PHP.   | <b>03</b> |
|            | (b) | How prepared Statement is executed in PHP?   | <b>04</b> |
|            | (c) | What is Cookie? How can we handle cookies in PHP?  | <b>07</b> |

**OR**

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|------------|---|-----------|
| <b>Q.5</b> | (a) What is JQuery? What are the advantages of JQuery?  | <b>03</b> |
|            | (b) State the difference between synchronous and asynchronous web programming.  | <b>04</b> |
|            | (c) Write HTML and PHP program to read and store book information such as book id, title, author and price from database table. Output the data to a webpage in tabular format. | <b>07</b> |

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