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Total No. of printed pages = 03

Monsoon, 2023
BCA Semester Examinations
INTRODUCTION TO WEB TECHNOLOGY
Course Code: BCA23103T

Full Marks – 60

Time – 2½ hours

The figure in the margin indicates full marks for the questions.

Part A

(Answer ALL questions)

1 Choose the appropriate answer **1×10=10**

- i) Which attribute is used to specify the destination URL in the <a> tag?
 - a. href
 - b. url
 - c. link
 - d. src
- ii) What is JavaScript primarily used for in web development?
 - a. Server-side scripting
 - b. Styling web pages
 - c. Adding interactivity to websites
 - d. Defining the structure of web pages
- iii) What does the i flag indicate in a regular expression pattern?
 - a. Global search (find all matches)
 - b. Case-sensitive search
 - c. Match at the beginning of a string
 - d. Case-insensitive search
- iv) Which HTML tag is used to define a table row?
 - a. <tr>
 - b. <td>
 - c. <th>
 - d. <table-row>
- v) In CSS, what does the "Cascading" mean?
 - a. Styles are applied from left to right
 - b. Styles are applied in a hierarchical order
 - c. Styles are applied randomly
 - d. Styles are applied in a reverse order
- vi) The length of an IP Address is
 - a. a.48 bit
 - b. 32 bit
 - c. c.16 bit
 - d. d.8 bit

- vii) A web page whose content changes on different client request is known as
 - a. Static
 - b. Dynamic
 - c. Active
 - d. None of the above
- viii) Which keyword is used to declare a variable in JavaScript?
 - a. var
 - b. int
 - c. variable
 - d. float
- ix) What is the purpose of the forEach method in JavaScript?
 - a. To create a new array
 - b. To iterate over the elements of an array
 - c. To check if an array includes a specific element
 - d. To filter elements in an array
- x) Which HTML tag is used to link an external CSS file to an HTML document?
 - a. <style>
 - b. <css>
 - c. <link>
 - d. <script>

Part B

(Answer ANY FOUR questions- Word Limit:100)

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| 2 | i) What are the different types of web pages? Explain with example | 5 |
| | ii) What is CSS? What are the different types of CSS. | 5 |
| | iii) What is content management system? Mention few salient features of a content management system | 5 |
| | iv) Explain the purpose of the action and method attributes in an HTML form. | 5 |
| | v) What is computer Address? What are the different computer addresses. | 5 |
| | vi) What is the use of (caret) and \$ (dollar sign) in Javascript Regular Expression. Give example | 5 |
| | vii) Explain how we can use JavaScript function. | 5 |

Part C

(Answer ANY TWO questions - Word Limit:100)

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| 3 | a) What is Regular Expression in JavaScript? What are the different modifiers used in Regular Expression | 5 |
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- b) What is JavaScript loop? Explain for loop with example 5
- 4** a) Create an HTML file and save it as **registration.html**. and include the following fields using appropriate tag 5
- Full Name
 - Address
 - Gender
 - Interests or Hobbies
 - Select Your State (A list of states to be displayed)
 - Submit Button
- b) what is the difference between <div> and tag in html 5
- 5** a) What is variable: What are the different ways by which we can declare a variable in JavaScript? 5
- b) Explain the difference between WordPress posts and pages. When would you use one over the other in a website? 5

Part D

6. Write Short Notes (Any two) (Word Limit:100) 2 x 5 = 10

- a) JavaScript Operator
- b) Client side Vs Server Side Web Technology
- c) Word press Plugin
- d) Computer Network Topology