**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, April 2023**

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|  | **1BT2178** | Roll No. | Total Printed Pages: 1 |
| **1BT2178** |  |
| B. Tech. I Year II- Semester (Back) End Semester Examination, April 2023  **(CE)** | |
| **BCECCE2104 : Introduction to Web Technology** | | | |

# Time: 3Hours. Total Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1. --------------------------Nil--------------------** **2. ------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | Explain with example Static and Dynamic Web Applications. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | With the help of diagram describe Web System Architecture | **(6)** | **Analyze** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Define and explain in detail different types of Protocols. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | Analyse Client Server Communication in detail with diagram. | **(6)** | **Analyze** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Why HTML is known as Hypertext Mark-up Language. Explain HTML Document structure. | **(6)** | **Applying** |
|  |  |  |  |  |
|  | **(b)** | Explain different types of stylesheets with examples | **(6)** | **Applying** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Explain Anchor tag, Image tag, Table tag, List tag, Frame tag, Div tag with example. | **(6)** | **Applying** |
|  |  |  |  |  |
|  | **(b)** | Write the code to create an Employee Registration form | **(6)** | **Applying** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Explain the terms  (i) XML Elements and Attributes (ii) Web Services – SOAP, REST | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Write a code to show the use of <canvas> tag to draw a circle and a rectangle. | **(6)** | **Evaluate** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | What is XMl? Mention the differences between HTML and XML | **(6)** | **Evaluate** |
|  |  |  |  |  |
|  | **(b)** | Write a code to display your current location using Geolocation. Explain geolocation in detail. What is XML DOM? | **(6)** | **Applying** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | Differentiate between session and cookie. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | Differentiate between $\_GET and $\_POST Methods. | **(6)** | **Evaluate** |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Write the PHP code to print the data on a page which the user enters in a form | **(6)** | **Applying** |
|  |  |  |  |  |
|  | **(b)** | Explain Browser life cycle and browser rendering stages? | **(6)** | **Evaluate** |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** | **(a)** | What is the reason behind website maintenance? Describe the process. | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What is web hosting? What do you understand by SEO? | **(6)** | **Analyze** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | Explain the Web authoring tools with the help of example? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | Explain in website types and structures with related example of websites. | **(6)** | **Remembering** |