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Gandhi Institute of Engineering and Technology University, Odisha, Gunupur (GIET University)



B.C.A. (Fourth Semester – Regular/Supplementary) Examinations, April 2026

BCA23402 – Internet and Web Technologies

Time: 2 hrs

Maximum: 60 Marks

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

- | | CO # | Blooms Level |
|--|------|--------------|
| a. Write the basic structure of an HTML document. | CO1 | K1 |
| b. Explain HTML header tags. | CO2 | K1 |
| c. What are the three types of CSS? | CO3 | K1 |
| d. What are JavaScript operators? Name any four types. | CO4 | K2 |
| e. Write down the different data types in PHP. | CO5 | K1 |

PART – B

(10 x5=50 Marks)

Answer **ALL** questions

- | | Marks | CO # | Blooms Level |
|---|-------|------|--------------|
| 2. a. Give an introduction to HTML & Explain the history of HTML. | 5 | CO1 | K1 |
| b. Describe the different versions of HTML. | 5 | CO1 | K3 |
| (OR) | | | |
| c. Write a short note on commonly used HTML elements. | 5 | CO2 | K1 |
| d. Explain the HTML text formatting with an example. | 5 | CO2 | K2 |
| 3.a. Explain various CSS properties used for background and text formatting. | 5 | CO3 | K3 |
| b. Write a detailed note on creating a navigation bar using CSS. Explain the concept of image sprites and their advantages. | 5 | CO3 | K1 |
| (OR) | | | |
| c. Discuss the use of conditional statements in JavaScript. Explain if, if-else, and switch statements with examples. | 5 | CO4 | K3 |
| d. Explain different types of loops in JavaScript. Compare for, while, and do-while loops with suitable examples. | 5 | CO4 | K2 |
| 4.a. Describe how PHP is used to handle form data. Explain GET and POST methods with examples. | 5 | CO5 | K3 |
| b. Explain functions in PHP. Discuss user-defined functions, parameters, return values, and scope of variables. | 5 | CO5 | K2 |
| (OR) | | | |
| c. Explain the benefits and advantages of HTML. | 5 | CO1 | K1 |
| d. Explain how a website works using servers, clients, and internet protocols. | 5 | CO1 | K3 |
| 5.a. Write down how to add images in HTML with suitable example. | 5 | CO2 | K2 |
| b. Explain different types of HTML lists with suitable example. | 5 | CO2 | K2 |
| (OR) | | | |
| c. Describe the components: content, padding, border, and margin with examples. | 5 | CO3 | K1 |
| d. Explain properties such as font-family, font-size, font-weight, and font-style. | 5 | CO3 | K2 |
| 6.a. Explain the concept of JavaScript as a client-side scripting language. | 5 | CO4 | K2 |
| b. Explain events and event handling in JavaScript. | 5 | CO4 | K2 |
| (OR) | | | |
| c. Explain JavaScript objects and their importance. Discuss built-in objects such as Array, String, and Date with examples. | 5 | CO5 | K2 |
| d. What is Dynamic HTML? Explain how HTML, CSS, and JavaScript are combined to create dynamic web pages. | 5 | CO5 | K2 |

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