


| Name: | |  | |
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| Enrolment No: | | | |
| UPES End Semester Examination, May 2024 | | | |
| Course: Web Technologies (HTML, Django, CSS) | | Semester : IV | |
| Program: BCA (Cyber Security) | | Time : 03 hrs. | |
| Course Code: CSBC2028 | | Max. Marks: 100 | |
| Instructions: | | | |
| SECTION A (5Qx4M=20Marks) | | | |
| S. No. | | Marks | CO |
| Q 1 | Explain how you would open the JavaScript console in a web browser? Write the function name to clear the content from console window? | 4 | CO3 |
| Q 2 | Show the JavaScript property that allows you to assess the number of characters in a string. What steps would you take to apply this property? | 4 | CO3 |
| Q 3 | Demonstrate a simple example where the 'reversed' keyword is used in Django. | 4 | CO4 |
| Q 4 | Show how to add a comment within a Django template that clarifies the purpose of a block of code. | 4 | CO4 |
| Q 5 | Write a CSS code to make the first letter of the element with id "special" with green color and 100 px font size. | 4 | CO2 |
| SECTION B (4Qx10M= 40 Marks) Answer any four questions | | | |
| Q 6 | Describe what alert(), console.log(), and prompt() do in JavaScript. | 10 | CO3 |
| Q 7 | Write a CSS code to make all "checked" check boxes have a left margin of 50px. | 10 | CO2 |
| Q 8 | Write a java script code to print each character present inside a string. | 10 | CO3 |
| Q 9 | Analyze the functions of middleware in a Django application. How does it interact with the request/response cycle? OR Provide an example of a simple HTML document with comments explaining each part. | 10 | CO4 |

SECTION-C
(2Qx20M=40 Marks)

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| Q 10 | Write the syntax with example of following loops to retrieve an element of an array. 1) while loop 2) for loop 3) for-of loop 4) forEach | 20 | CO3 |
| Q 11 | Apply your knowledge to set up a Django project, and walk through the steps of initializing the project, creating an application, defining models, migrating the database, and setting up views and templates. OR Explain how to use the element to insert images, including the significance of the 'src', 'alt', 'width', and 'height' attributes. | 20 | CO4 |