


Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, December 2022</b>			
<b>Course: BCA</b> <b>Program: Web Technologies (HTML, DJANGO, CSS)</b> <b>Course Code: CE1</b>		<b>Semester: IV</b> <b>Time: 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions:</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Create an HTML page on types of Programming Languages in Computer Science. List examples on each of the types.	4	CO1
Q 2	How is an HTML element defined? Illustrate through example.	4	CO1
Q 3	Define CSS. What is meant by the term Cascading in CSS?	4	CO2
Q 4	What is the difference between let and var keyword in JavaScript? Explain through an example.	4	CO3
Q 5	Define DOM in JavaScript.	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	What is the difference between class and id in CSS? Explain through an example.	10	CO2
Q 7	Explain JavaScript objects. Give the syntax and examples of array and string object in JavaScript.	10	CO3
Q 8	Discuss the different types of exception handlers in JavaScript through examples.	10	CO3
Q 9	What is meant by the MVT architecture in Django? Illustrate through a diagram.	10	CO4
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Write a JavaScript function to get cube of a number. Design an HTML form to take the input for the number.	20	CO3
	Or		
	Compute the factorial of first n natural numbers using <b>recursive function</b> . Take input n from user by designing an HTML form.	20	CO3
Q 11	Illustrate the steps to create a project and apps in Django. Discuss about the creation of URLs and views in an app in Django.	20	CO4