

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



B. Tech (Second Semester - Regular) Examinations, April 2026

25FYES10005 – Web Development

(Common to All branch)

Time: 3 hrs

Maximum: 60 Marks

Answer ALL questions
(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. What is an iframe in HTML?	CO1	K1
b. Difference between class and ID selector.	CO2	K3
c. Explain Bootstrap.	CO3	K1
d. Recall the use of alert() function.	CO4	K1
e. Write the use of mysqli_connect().	CO6	K4

PART – B

(10 x 5 = 50 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. a. Explain the structure of an HTML document with an example.	5	CO1	K2
b. Create a page which contains two links- one at the top and one at the bottom. On clicking the top link, the page has to scroll down to the bottom of the page where bottom link is present. On clicking the bottom link, the page has to scroll up to the top of the page.	5	CO1	K3
(OR)			
c. Explain HTML forms and their basic elements.	5	CO1	K4
d. Write a HTML program to create visitor information capture. The page should have the heading “Visitors information” and should ask the following information from the user : • Email address using a textbox , • User’s interest web for research or purchase as check box. • Occupation as drop down box and preselected value should be given as (select one). • Check “want us to send you junk emails?” and the options given are “absolutely” and “no way man” using the radio button. • A horizontal line divides the heading and the body content. Once all the inputs are given, the user should be able to submit or reset. • This whole form should be tabulated using table tag.	5	CO1	K3
3.a. Explain inline, internal, and external CSS with advantages.	5	CO2	K3
b. Create a webpage that displays the hyperlink with the following background color properties. • Set the background color as %FF0000 for unvisited link • Set the background color as %FFFF00 for visited link • Set the background color as %FF00FF for mouse over link	5	CO2	K3

• Set the background color as %0000FF for selected link			
(OR)			
c.	Explain the box model in CSS.	5	CO2 K3
d.	Create a webpage that displays three paragraphs with the following margin properties.		
	• Set the top margin as 3cm for first paragraph • Set the bottom margin as 5cm for first paragraph • Set the left margin as 2cm for second paragraph • Set the top margin as 25% for third paragraph	5	CO2 K3
4.a.	Explain the Bootstrap grid system with examples.	5	CO3 K2
b.	Create a webpage that displays the div element with the following CSS properties.		
	• Set the border as 2 pixels solid • Set the padding as 20 pixels • Set the background as #dddddd • Set the border top left radius as 2em	5	CO3 K3
(OR)			
c.	Explain containers and rows in Bootstrap.	5	CO3 K2
d.	Create a webpage that displays an image as the background around an element with the following properties.		
	• Border: 1 pixels solid black • Height: 150 pixels • Width: 180 pixels • Background : url (imagename.gif) • Background-repeat: no-repeat • Background-size: cover	5	CO3 K3
5.a.	Describe control structures in JavaScript.	5	CO4 K2
b.	Create an HTML page with two textboxes and a Calculate button: When user enters the numbers and clicks the Calculate button, it has to alert the sum.	5	CO4 K3
(OR)			
c.	Explain different types of events in JavaScript.	5	CO4 K2
d.	Write a JavaScript function that checks whether a passed string is palindrome or not?	5	CO4 K3
6.a.	Describe variables, constants, and data types in PHP.	5	CO5 K4
b.	Write a PHP program to check if a number is prime or not.	5	CO6 K3
(OR)			
c.	Explain how data is stored and retrieved from MySQL using PHP.	5	CO6 K3
d.	Write a PHP program to print the first 10 fibonacci numbers.	5	CO6 K3
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