PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

PG DEGREE EXAMINATION DECEMBER 2025
(Third Semester)

TRANS DISCIPLINARY COURSE
(Common to PG Programmes)

WEB DESIGN USING HTML AND JAVASCRIPT

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10 X 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What are sets of rules and procedures for communicating called? A) Standards B) Protocols C) Formats D) Conventions	K1	CO1
	2	What is an IP address, and what is its typical size? A) An IP address is a unique identifier for a device on a network, and its typical size is 128 bits. B) An IP address is a unique identifier for a device on a network, and its typical size is 32 bits or 128 bits. C) An IP address is a type of network protocol, and its typical size is 64 bits. D) An IP address is a network service, and its typical size is 256 bits.	K2	CO1
2	3	How many heading levels are available in HTML, and what is one purpose for using them? A) 5 levels; to define paragraphs B) 6 levels; to create lists C) 6 levels; to structure content hierarchically D) 4 levels; to format text styles	K1	CO2
	4	The \<a> tag requires which attribute to specify the link to be opened? A) href B) src C) link D) url	K2	CO2
3	5	What are used all over the web to accept information and provide interactivity? A) Links B) Forms C) Images D) Scripts	K1	CO3
	6	Which tags in an HTML document used for creating frames? A) \<frame> and \<iframe> B) \<frameset> and \<frame> C) \<div> and \<span> D) \<table> and \<tr>	K2	CO3
4	7	What is the correct syntax to call an external JavaScript file in the current HTML document? A) \<script src="file.js"> \</script> B) \<javascript src="file.js"> \</javascript> C) \<script href="file.js"> \</script> D) \<link src="file.js"> \</link>	K1	CO4
	8	Which is the correct JavaScript statement to display "Hello Boss!" in an alert box? A) alert("Hello Boss!"); B) msg("Hello Boss!"); C) echo("Hello Boss!"); D) console.log("Hello Boss!");	K2	CO4
5	9	In JavaScript, multi-line comments start with ___ and end with ___. A) /* and */ B) // and // C) \<!-- and --> D) # and #	K1	CO4

	10	What will be the output of the following JavaScript code?
		 \<script>
		 var x = 10 + 20 * 5;
		 document.getElementById("tes").innerHTML= x;
		 \</script>
		 A) 150 B) 100 C) 110 D) 120
			K2	CO4

Cont...

SECTION - B (35 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	What is Domain Name System and how does it work?	K3	CO1
		(OR)		
	11.b.	Explain the working of Web Browser and Web Server.		
2	12.a.	Define all types of Lists supported by HTML. Explain any one type of lists in detail with example.	K3	CO2
		(OR)		
	12.b.	State the purpose of <TBODY> <THEAD> and <TFOOT> tags in designing a table. Illustrate with code.		
3	13.a.	Explain the purpose of the <frameset> and <iframe> tags in HTML.	K4	CO3
		(OR)		
	13.b.	Explain checkbox control and radio box controls with examples and demonstrate their usage.		
4	14.a.	List the advantages and disadvantages of JavaScript.	K5	CO4
		(OR)		
	14.b.	Explain prompt(), confirm (), alert() functions in JavaScript.		
5	15.a.	Write notes on JavaScript event listeners, including an example that demonstrates an event listener and handler. Use a scenario such as attaching a click event listener to a button that changes the text content of a paragraph when clicked.	K4	CO5
		(OR)		
	15.b.	Write notes on datatypes supported by JavaScript including how they are used in practical applications such as handling user inputs, processing data, and storing information.		

SECTION -C (30 Marks)
Answer ANY THREE questions
ALL questions carry EQUAL Marks   (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Differentiate stateful and stateless protocol.	K4	CO1
2	17	Build HTML code to Display five different images. Skip two lines between each image. Each image should have a title.	K4	CO2
3	18	Describe JavaScript functions to perform the following: i. Find factorial of a number using recursion ii. Take an array of integers and return the largest difference between any two numbers in the array.	K5	CO3
4	19	Write a JavaScript program to create a dropdown menu that shows and hides its options when clicked.	K5	CO4
5	20	Develop HTML code to create a website for your institute, including separate pages for the department and tutorials for a specific subject.	K6	CO5

Z-Z-Z   END