PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2025
(First Semester)

Branch - COMPUTER SCIENCE

FULL STACK WEB DEVELOPMENT

Time: Three Hours   Maximum: 75 Marks

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

Module No.	Question No.	Question	K Level	CO
1	1	Which protocol is used for secure data transfer on the Web? a) HTTP b) HTTPS c) FTP d) SMTP	K1	CO1
	2	Which part of a URL usually indicates the file or page requested? a) Hostname b) Path c) Port d) Protocol	K2	CO2
2	3	Which HTML tag is used to insert an image? a) <img> b) <src> c) <picture> d) <media>	K1	CO1
	4	Which JavaScript keyword is used to declare a block-scoped variable? a) var b) let c) const d) both b and c	K2	CO2
3	5	Which SQL keyword is used to combine rows from two tables based on a condition? a) JOIN b) UNION c) GROUP d) COMBINE	K1	CO1
	6	Which SQL command is used to create a new database? a) MAKE DATABASE b) CREATE DATABASE c) NEW DATABASE d) INIT DATABASE	K2	CO2
4	7	Which function is used to output text in PHP? a) echo b) print c) write d) Both a and b	K1	CO1
	8	What is the default file extension for PHP files? a) .ph b) .html c) .php d) .asp	K2	CO2
5	9	Which ASP object is used to store data across multiple pages for a single user? a) Response b) Request c) Session d) Application	K1	CO1
	10	In XML, which character is used to close a tag? a) < b) > c) / d) *	K2	CO2

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.	Define and explain URL with a suitable example.	K1	CO1
		(OR)		
	11.b.	Explain the difference between HTTP and HTTPS.		
2	12.a.	Write HTML code to display an image with alternative text.	K3	CO2
		(OR)		
	12.b.	Write a JavaScript program to add two numbers entered by the user.		

Cont...

Module		Question	K Level	CO
3	13.a.	Write SQL queries to: • Create a table Books with BookID, Title, Author. • Insert a sample record.	K4	CO1
		(OR)		
	13.b.	Explain the purpose of the SELECT statement in SQL with an example.		
4	14.a.	Write a PHP program to print "Hello, World!" five times using a loop.	K5	CO1
		(OR)		
	14.b.	Explain the use of constants in PHP with an example.		
5	15.a.	Write an ASP code snippet to display the user's browser type.	K6	CO1
		(OR)		
	15.b.	Define XML with an example of a simple XML document. (K1 – Remember).		

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	Explain the role of domain name services (DNS) in Web applications with a simple diagram.	K2	CO1
2	17	Develop an HTML form for student feedback with text area and submit button.	K3	CO2
3	18	Examine the role of indexing in SQL-based search systems. How does it affect query performance in real-world Web applications?	K4	CO3
4	19	Assess the advantages and disadvantages of using server-side session storage compared to client-side storage in modern Web applications.	K5	CO4
5	20	Write SQL queries for the Employee table to: • Display all employee names and salaries • Find the highest salary.	K6	CO5

Z-Z-Z   END