# PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

#### **MSc(SS) DEGREE EXAMINATION MAY 2025**

(Fourth Semester)

## Branch - SOFTWARE SYSTEMS (Five Year Integrated)

#### WEB APPLICATION DEVELOPMENT

Time: Three Hours

Maximum: 75 Marks

## SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

 $(10 \times 1 = 10)$ 

Module	Question	Question	K	СО
No.	No.	<u> </u>	Level	
1	1	Find the oddly matched HTTP status codes.	77.1	001
		a) 200 – OK b) 400 – Bad Request	K1	CO1
		c)301 - Moved permanently d)304 - Not Found	<del>                                     </del>	ļ
	2	Which of the following Specify the second part of a URL?	K2	CO1
		a) Protocol b) Resource id		
		c) Client name d) Server name		<b>_</b>
	3	Which class in Bootstrap makes an image responsive by scaling it		CO2
		within its container?	K1	
		a) img-thumbnail b) img-scale		
· 2		c) img-fluid d) img-circle		
		What is the work of the form control elements in the HTML DOM?		
	4	a) User Interface elements b) All the possible elements	K2	CO2
		c) Debugging elements d) Collecting elements		<u> </u>
		Which of the following function of the String object returns the		CO3
	5	character in the string starting at the specified position via the	K1	
		specified number of characters?	121	
3		a) slice() b) split() c) substr() d) search()		
-		When there is an indefinite or an infinite value during an arithmetic		CO3
	6	computation in a program, then JavaScript prints	K2	
		a) Prints an exception error b) Prints an overflow error		
		c) Displays "Infinity" d) Prints the value as such		
	1	Which of the following variables does PHP use to authenticate a		
		user?		
	7	i) \$_SERVER['PHP_AUTH_USER'].		
		ii) \$_SERVER['PHP_AUTH_USERS'].	K1	CO4
		iii) \$_SERVER['PHP_AUTH_PU'].	1	
4		iv) \$_SERVER['PHP_AUTH_PW'].		ı.
•		a) ii) and iv) b) i) and iv) c) ii) and iii) d) i) and ii)		
		Which variable is used to collect from data sent with both the GET	-	
		and POST methods?	K2	CO4
	8			
		a) \$_BOTH b) \$REQUEST c) \$_REQUEST d) \$BOTH		
		What is a domain registrar's role in the domain registration process?	-	
-5		a) Designing website templates	K1	CO5
·	10	b) Selling web hosting services		
<b>}</b>		, , , , , , , , , , , , , , , , , , ,		
5		c) Managing domain settings and providing registration services		
		d) Creating website content  What is the role of on ETP (File Transfer Protect) client in such		
		What is the role of an FTP (File Transfer Protocol) client in web		
		hosting?		1
		a) To design website templates	K2	CO5
		b) To secure data transmission		
		c) To transfer files between a local computer and a web server		'
	L	d) To configure DNS settings		

#### SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$ 

Module No.	Question No.	Question	K Level	СО
1	11.a.	Explain the business logic layer. Why it is important for software applications?	K2	
	(OR)			CO1
	11.b.	Sketch and explain the basic architecture of a web server and the role of HTTP in.		
<u> </u>	12.a.	Explain the style attribute of an HTML. Write a program to change the background, text colour using style attribute.		!
2	(OR)			CO2
	12.b.	Develop a table using HTML. Write the code segment to showcase the cell padding and cell spacing properties.		
	13.a.	Explain the Event handling in Java Script with an example program.		
3	(OR)			CO3
	13.b.	Prepare a Java script for create array to store marks of five students, use push and unshift functions to add two more students marks in to the array. Explain the functions.		
	14.a.	Describe super globals? List and explain about them with coding examples.		
4	(OR)			CO4
	14.b.	How to read data from web form control like Check boxes explain with coding an example.		
5	15.a.	Explain of the following PHP/MySQL function (i) mysql_query() (ii) mysql_error	K4	
	(OR)			CO5
	15.b.	Write a PHP program to create a cookie and retrieve it's value. Explain the working flow.		

# SECTION -C (30 Marks) Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3\times10=30)$ 

Module No.	Question No.	Question	K Level	со
1	16	Analyze the need web servers. Explain in detail web server architecture.	К3	CO1
2	17	Create your class timetable using HTML, use the following features - headers, colspan, row span, table border and caption.	K3	CO2
3	18	Outline a recursive function to generate factorial of a number. Write function expression to find factorial of a number. Explain how these two methodologies are different.	K4	CO3
4	19	Discuss the various types of operators in PHP, with examples explain their functions.	K3	CO4
5	20	With a diagram explain how Ajax works. Justify the needs of asynchronous nature.	K4	CO5