

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
MSc DEGREE EXAMINATION DECEMBER 2023  
(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)

Question No.	Question	K Level	CO
1	A _____ web page is not interactive and is used only to display information. a) Dynamic b) Static c) Server d) Client	K1	CO1
2	Which HTTP method is suitable to retrieve data from a server without causing any side effects? a) GET b)POST c)PUT d)DELETE	K2	CO1
3	What is the purpose of an HTML form? a) To display text content b) To create hyperlinks c) To collect user input data d) To style web pages Answer	K1	CO2
4	Relate the primary use of Node.js. a) Front-end web development b) Mobile app development c) Server-side JavaScript programming d) Database management	K2	CO2
5	Which character is used to declare a scalar variable in Perl? a) @ b) \$ c) % d) &	K1	CO3
6	What keyword is used to define a subroutine (function) in Perl? a) def b) sub c) function d) proc	K2	CO3
7	What is a primary characteristic of NoSQL databases? a) They are strictly schema-based b) They are best suited for complex, structured data c) They can handle unstructured and semi-structured data d) They don't support distributed data storage	K1	CO4
8	What is encryption used for in the data tier? a) To improve database performance b) To secure data during transmission c) To store data in a human-readable format d) To organize data into tables	K2	CO4
9	Where are XML attributes typically located? a) Within the opening tag of an element b) Within the closing tag of an element c) Between elements d) In a separate XML file	K1	CO5
10	What is the purpose of the "Request" object in ASP? a) To send HTTP requests to the server b) To store session variables c) To retrieve data sent by the client browser d) To connect	K2	CO5

Cont...

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Illustrate the Overview of the Internet.	K2	CO1
	(OR)		
11.b.	Explain the role of Domain Name Service in the context of web browsing.		
12.a.	Interpret about HTML forms with example.	K4	CO2
	(OR)		
12.b.	Examine the functions and operators in Java script.		
13.a.	Explain the Numeric and String context in PERL.	K3	CO3
	(OR)		
13.b.	Define Scalar Variables. Explain how PERL program is executed locally.		
14.a.	Interpret Three-Tier Model for Web Applications.	K5	CO4
	(OR)		
14.b.	Explain about creating an table, inserting records and Quoting Data in SQL PRIMER.		
15.a.	Elaborate the control structures in PHP with examples.	K6	CO5
	(OR)		
15.b.	Explain the arrays and collection in ASP.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Explain about the GET and POST transaction.	K5	CO1
17	Compare and Contrast on Node.Js and Angular Js framework.	K5	CO2
18	Explain how to generate HTML documents with PERL.	K5	CO3
19	How to create a DSN and explain the connecting to a DSN using PERL DBD-ODBC Driver with an example.	K4	CO4
20	Elobrate about validated XML with example.	K6	CO5

Z-Z-Z

END