

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc (SS) DEGREE EXAMINATION DECEMBER 2025  
(Fourth Semester)

Branch – SOFTWARE SYSTEMS (five years integrated)

**WEB APPLICATION DEVELOPMENT**

Time: Three Hours

Maximum: 50 Marks

**SECTION-A (5 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Which HTTP method is used to request data from a server?  
i) POST      ii) GET      iii) DELETE      iv) PUT
- 2 Which HTML tag is used to create a hyperlink?  
i) <link>      ii) <a>      iii) <href>      iv) <button>
- 3 Which of the following is used to declare a variable in JavaScript?  
i) var      ii) let      iii) const      iv) All of the above
- 4 What does a cookie do in PHP?  
i) Stores session data on the server  
ii) Stores user preferences on the client  
iii) Encrypts user data  
iv) Manages database connections
- 5 What does AJAX stand for?  
i) Asynchronous JavaScript and XML  
ii) Automatic JavaScript and XML  
iii) Asynchronous JavaScript and XHTML  
iv) Advanced JavaScript and XML

**SECTION - B (15 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Explain the architecture of the World Wide Web (WWW).  
OR  
b Summarize the role of presentation and business logic layer in www.
- 7 a Apply the basic structure of HTML to design the web page.  
OR  
b Discuss the use of different CSS types.
- 8 a Explain the syntax of a JavaScript function and how to define parameters and return values.  
OR  
b How JavaScript event handling works and explain its role in user interactions on a webpage.

Cont...

- 9 a Explain how PHP handles form data and performs form processing.  
OR  
b Differentiate between various PHP session and cookie methods used for maintaining state across multiple pages.
- 10 a Examine the process of using FTP for uploading files to a web server.  
OR  
b Analyze the workings of AJAX in modern web development and evaluate its impact on dynamically updating webpage content,

**SECTION -C (30 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Explain the browser architecture.  
OR  
b Analyze the HTTP architecture and its functioning.
- 12 a Explain HTML forms with its attributes.  
OR  
b Examine various CSS layout techniques and positioning methods.
- 13 a Demonstrate how JavaScript loops and conditional statements can be utilized to efficiently process data in a web application.  
OR  
b Explain AngularJS with example.
- 14 a Illustrate operators in PHP with example.  
OR  
b Examine arrays and functions in PHP with example.
- 15 a Explain web host and domain registration.  
OR  
b Explain basic commands in MySQL.

Z-Z-Z

END