School of Technology, Design and Computer Application
Silver Oak College of Computer Application
Department of Computer Science
Bachelor of Science Computer Science & Information
Technology

Semester:	4	Academic Year:	2024-2025
Course Name:	Server Side Development Using PHP (PHP)	Course Code:	3040243236

Question bank

MCQ / One-Liner Questions

1. What does WWW stand for?
   a) World Wide Web
   b) Web World Wide
   c) Wide Web World
   d) Web Wide World
   Answer: a) World Wide Web

2. Which protocol is used for transferring web pages?
   a) FTP
   b) HTTP
   c) SMTP
   d) SSH
   Answer: b) HTTP

3. What is the default HTTP port?
   a) 21
   b) 25
   c) 80
   d) 443
   Answer: c) 80

4. Which HTTP method is used to retrieve data from a server?
   a) POST
   b) GET
   c) DELETE
   d) PUT
   Answer: b) GET

5. What does CORS stand for?
   a) Cross-Origin Resource Sharing
   b) Cross-Origin Request Sharing
   c) Client-Origin Resource Security
   d) Client-Origin Request System
   Answer: a) Cross-Origin Resource Sharing

6. Which header is required to allow CORS?

a) Access-Control-Allow-Origin
b) Content-Type
c) Accept-Encoding
d) Host
Answer: a) Access-Control-Allow-Origin

7. Which file is commonly used for SEO metadata?
   a) index.php
   b) robots.txt
   c) sitemap.xml
   d) config.xml
   Answer: b) robots.txt

8. What does PHP stand for?
   a) Pre-Hypertext Processor
   b) Personal Hypertext Processor
   c) PHP: Hypertext Preprocessor
   d) Personal Homepage Processor
   Answer: c) PHP: Hypertext Preprocessor

9. Which PHP superglobal variable is used to collect form data from an HTML POST request?
   a) $_GET
   b) $_POST
   c) $_SESSION
   d) $_COOKIE
   Answer: b) $_POST

10. Which looping statement does PHP support?
    a) for
    b) while
    c) do-while
    d) All of the above
    Answer: d) All of the above

11. What is the main function of an **HTTP response code**?
    a) It determines the webpage layout
    b) It indicates the status of the HTTP request
    c) It defines the CSS styles
    d) It processes user authentication
    Answer: b) It indicates the status of the HTTP request

12. What does an **HTTP 404 error** indicate?
    a) The page is permanently moved
    b) The page is not found
    c) The request is successful
    d) The server is down
    Answer: b) The page is not found

13. What is the role of a **web browser**?
    a) To store website databases
    b) To interpret and render HTML documents
    c) To configure web servers
    d) To develop websites
    Answer: b) To interpret and render HTML documents

14. How does **SEO help a website**?
    a) By making it load faster
    b) By increasing its visibility in search engines
    c) By improving security
    d) By adding animations
    Answer: b) By increasing its visibility in search engines

15. In a **client-server architecture**, what is the role of the web server?
    a) To generate client requests
    b) To process and respond to client requests
    c) To design HTML pages
    d) To browse the internet
    Answer: b) To process and respond to client requests

16. What is the **primary purpose of PHP**?
    a) Server-side scripting
    b) Front-end design
    c) Network security
    d) Web hosting
    Answer: a) Server-side scripting

17. What is the function of the **PHP $_SESSION variable**?
    a) To store data permanently
    b) To store data temporarily for a user session
    c) To manage cookies
    d) To generate page content dynamically
    Answer: b) To store data temporarily for a user session

18. What is the importance of **CORS** in web security?
    a) It prevents cross-site scripting

b) It allows or restricts resources from different origins
c) It enables HTTPS security
d) It protects against SQL injection
Answer: b) It allows or restricts resources from different origins

19. Which of the following is an **SEO ranking factor**?
    a) Page load speed
    b) Number of CSS files
    c) The number of JavaScript functions
    d) The website color scheme
    Answer: a) Page load speed

20. What does the **PHP isset() function** do?
    a) Checks if a variable is empty
    b) Checks if a variable is set and not null
    c) Deletes a variable
    d) Initializes a variable
    Answer: b) Checks if a variable is set and not null

21. If a user submits a **form without input validation**, which security risk is most likely?
    a) SQL injection
    b) HTTP caching
    c) Faster page loading
    d) SEO penalty
    Answer: a) SQL injection

22. A developer wants to **redirect users** after login in PHP. Which function should they use?
    a) header("Location: dashboard.php");
    b) echo "Redirecting to dashboard";
    c) move("dashboard.php");
    d) $_SESSION['redirect'] = "dashboard.php";
    Answer: a) header("Location: dashboard.php");

23. A website is slow due to **too many external CSS files**. What is the best solution?
    a) Use a CDN
    b) Minify and combine CSS files
    c) Add more JavaScript
    d) Disable caching
    Answer: b) Minify and combine CSS files

24. Which HTTP method should be used to **update** an existing database entry?
    a) GET
    b) POST
    c) PUT
    d) DELETE
    Answer: c) PUT

25. A **PHP script stops executing unexpectedly**. Which function helps debug the issue?
    a) die()
    b) debug()
    c) halt()
    d) echo()
    Answer: a) die()

26. **What is the primary function of an HTTP request?**
    a) To request resources from a server
    b) To configure a web browser
    c) To store data in a database
    d) To compile PHP code
    Answer: a) To request resources from a server

27. **Which HTTP method is used to delete a resource from a server?**
    a) GET
    b) POST
    c) DELETE
    d) PATCH
    Answer: c) DELETE

28. **Which component is responsible for rendering web pages in a web browser?**
    a) Web server
    b) Rendering engine
    c) Database
    d) Operating system
    Answer: b) Rendering engine

29. **In PHP, which keyword is used to declare a variable?**
    a) var
    b) $
    c) let
    d) define
    Answer: b) $

30. **Which PHP function is used to check if a string contains a specific substring?**
    a) strpos()
    b) strstr()
    c) contains()
    d) find()
    Answer: a) strpos()

Sr. No.	Long Questions
1	What is the World Wide Web (WWW)? Explain its key components.
2	What are HTTP request methods? Name at least four and explain their use.
3	Explain the difference between HTTP and HTTPS.
4	What is a web browser? Explain its main components.
5	Define SEO and explain its importance.
6	How does an HTTP request and response cycle work?
7	What is CORS, and why is it important in web security?
8	Describe the role of a web server in web application hosting.
9	What are PHP variables? Explain with examples.
10	Explain the difference between if and switch statements in PHP.
11	Write a PHP script to check if a number is even or odd.
12	Create a PHP script that calculates the factorial of a given number using a loop.
13	How would you implement a simple login system using PHP sessions?
14	Write a PHP program to print numbers from 1 to 10 using a while loop.
15	Develop a PHP script that checks if a form field is empty before submitting.

Course Coordinator   **Head of Department**