Semester:	5	Academic Year:	2023-24
Subject Name:	Advanced Web Technology & Summer Internship	Subject Code:	1010043322

Question Bank

Sr. No.	Question Text
1	Explain Architecture of web browser
2	Write a short note on web server.
3	What is HTTP? Explain how browser and server communicate using HTTP request and response. **OR** Discuss HTTP. Explain HTTP request and HTTP response mechanism over the Internet.
4	Explain the term 1)WWW 2)Website 3)XML
5	Discuss the role of CORS in web security
6	Write short notes on SEO.
7	Explain the basic structure of HTML documents. (webpage structure).
8	Explain ordered list and unordered list in HTML with proper example.
9	Explain following html tags with proper example. <img> , <a>, <select>, <span>,<input>, <textarea>
10	Write HTML code to display following irregular table.

Day	Lecture Timings		
	10:30am-11:30am	11:30am-12:30am	1:00am-2:00am
Monday	DS	SE	WP
Tuesday	OS	CN	ML
Wednesday	DS	WP	CN
Thursday	OS	SE	ML
Friday	Test day		

A	B	C		D	E	
	F	G		I		
O	J	K	H	L	M	N
		P		Q		

11	Explain the use of rowspan & colspan attributes in table tag with proper example.
12	What is meta tag? How it is useful by search engine? OR Explain all the Meta Tags with example.
13	Demonstrate the use of Frame and Frameset with proper example.
14	Design Registration form and do proper validation with HTML 5 inbuilt functionality. OR Explain Different Form elements/Form Controls.
15	What is CSS? What are the benefits of CSS? List out the different ways to write CSS. OR List and Explain types of CSS with Example.
16	Explain Class and ID Selector in CSS with examples.
17	Demonstrate CSS Pseudo classes with example.
18	What is positioning in CSS? Explain it with example.
19	Explain the use of Media Query in CSS
20	Explain CSS box model (border, margin, padding)
21	Demonstrate the use of Wild Card Selector in CSS
22	Demonstrate the use of CSS for Colors and Background
23	What is JavaScript? What are the benefits of JavaScript?
24	Differentiate Client side scripting and Server side scripting
25	Explain pop-up boxes in JavaScript with example.
26	Explain DOM in javascript.
27	Explain Callback function in JavaScript with example
28	What is JavaScript event handling? List the major events and show use of at least one event by writing JavaScript code. **OR** Demonstrate the use of onchange, onmouseover, onmouseout, onkeypress, onload, onfocus events with proper example.
29	List out JavaScript's inbuilt Objects. Explain any three JavaScript's inbuilt Objects with proper example.
30	How user defined Objects are created in Javascript? explain with proper example.
31	Explain concept of Array in JavaScript. Also Demonstrate use of any three methods of Array with proper example.
32	Write short note on JSON.
33	Demonstrate JavaScript Form Validation with proper example.
34	Write a Java Script code to display Fibonacci Series of given number. Number

	should be entered by user through text box.
35	Write a JavaScript code to change the background color of page at specific time interval.
36	Write a JavaScript code which takes integer number as input and tells whether the number is prime or not.
37	Explain Various Features of PHP.
38	List and explain different types of array in PHP with example.
39	Discuss various array functions used in PHP.
40	Write a PHP code to check whether the number is prime or not.
41	Explain various string handling function in PHP with example.
42	Demonstrate the concept of cookie and session in PHP with example.
43	Demonstrate GET, POST and REQUEST methods of PHP.
44	Create webpage in PHP that collect user information and also display that information on other page
45	Create a PHP file upload code with following criteria 1) File type should be .jpg, .gif and .png only. 2) File should not be larger than 800KB. 3) Check if uploaded file already exists.
46	Demonstrate the concept of Exception Handling in PHP.
47	Write a PHP code to read data from JSON object and display in table form.
48	Explain require () and include () functions in PHP.
49	What is Laravel? Explain the Features of Laravel Framework.
50	Explain Application Structure (Directory Structure) of Laravel Application.
51	What are the steps to install Laravel (Environment Setup with Laravel)?
52	Explain the concept of routing in Laravel.
53	What is the role of controller in Laravel? Explain with proper example.
54	Explain concept of Session and Cookies in Laravel.
55	Explain CRUD (create, Read, Update, Delete) Operation with database connectivity in Laravel.
56	What is PHP artisan? List out some artisan commands
57	Define Composer in Laravel.
58	What are the advantages of Node JS? Where to use Node JS?
59	Explain the features of Node JS.
60	What is NPM? Explain the use of Package Manager in Node.js with suitable example.
61	Explain REPL terminal in Node.js .
62	How to serve HTML in Node js.? Explain with example?
63	Explain Rendering of JSON data in Node js.
64	Write a Node JS code to create a server.
65	Write a code for reading a file asynchronously (non-blocking code) in Node.js
66	Explain concept of routing in Node JS with example