QUESTION BANK

Program   : B.E-CSE/IT
Course Code/Name: SITA1502/ Customer Interface Design & Development
Sem   : V
Batch   :2019-2023

Unit – I
HTML, XML, CSS AND RWD

S.No	Questions (2 marks)	CO	Level
1.	Write the HTML coding to print "WELCOME" .	CO1	L6
2.	Classify <LINK> tag? Give an example.	CO1	L3
3.	Write some advantages of using XML	CO1	L6
4.	List out the <FORM >tag attributes.	CO1	L1
5.	Differentiate the HTML and XML.	CO1	L4
6.	Define XML schemas.	CO1	L1
7.	Define XML parsers.	CO1	L1
8.	Write short note on DOM.	CO1	L6
9.	Define SAX.	CO1	L1
10.	Write the syntax to create an XSL.	CO1	L6
11.	Define Xforms and Xhtml.	CO1	L1
12.	Define XSLT.	CO1	L1
13.	Write short note on XLINK.	CO1	L6
14.	Define XPATH.	CO1	L6

S.No	Questions (16 marks)	CO	Level
15.	Write short note on XQuery.	CO1	L6

S.No	Questions (16 marks)	CO	Level
1.	Define XML? Explain how to write an XML document? What are the goals of XML? Clearly explain the XML Schema and XML parsing in detail.	CO1	L4
2.	Explain the following HTML tags with all attributes. (1) <a>(2)<body> (3)<img>(4)<table> (5) <p>	CO1	L4
3.	Write and explain tags to create following HTML form elements with their attributes. (i). textbox (ii). Dropdown list (iii). Password filed (iv). Checkbox (v). radio button	CO1	L6
4.	Define Cascading Style Sheet? Explain various types of Style Sheets with example.	CO1	L4
5.	Create an HTML code which creates form to collect user information like name, age, email, phone no. And address.	CO1	L6
6.	Write the CSS code to insert the image of the butterfly with name btfly.gif as a background image for a web page.	CO1	L6
7.	Create the CSS code to display the text of td tag in centre.	CO1	L6
8.	Summarize the following CSS code: h1 {font-family: arial, comic sans-serif, "Times New Roman";} Explain font-family.	CO1	L5
9.	Explain the importance of DOM component of DHTML.	CO1	L4
10.	Explain the Responsive web design (RWD).	CO1	L4

Unit – II
CLIENT-SIDE SCRIPTING

S.No	Questions (2 marks)	CO	Level
1.	Write the JavaScript to print "Good Day" using IF-ELSE condition.	CO2	L5
2.	What is a JavaScript statement? Give an example.	CO2	L1
3.	Write some advantages of using JavaScript.	CO2	L2
4.	List the JavaScript datatypes.	CO2	L1
5.	Differentiate the return and continue statements in JavaScript	CO2	L4
6.	Construct the statement to read the properties of an object in javascript.	CO2	L6
7.	Identify the built-in method returns the character at the specified index?	CO2	L5
8.	List out the properties to determine the size of the browser window.	CO2	L1
9.	Define Java Script.	CO2	L1
10.	Write the syntax to create an object in javascript.	CO2	L6
11.	Express the statement in java script to display content on webpage.	CO2	L2
12.	Connect the role of a callback function in performing a partial page update in an AJAX application.	CO2	L4
13.	Create an appropriate Javascript code to remove an element (current element) from a DOM.	CO2	L6
14.	Write down the Javascript code to swap the contents of the two text boxes <form name="form1"> Input text 1: <input type="text" name="A"> Input text 2: <input type="text" name="B"> </form>	CO2	L6
15.	Summarize benefits of using Javascript code in an HTML document.	CO2	L2

S.No	Questions (16 marks)	CO	Level
1.	Explain how local and global functions can be written using JavaScript with example	CO2	L5
2.	Write JavaScript to find sum of first 'n' even numbers and display the result. Get the value of 'n' from user.	CO2	L6
3.	Write JavaScript to find factorial of a given number.	CO2	L6
4.	Show in detail about JavaScript variables and operators.	CO2	L1
5.	Classify the various kinds of javascript pop up boxes with example programs.	CO2	L4
6.	Explain about Math object and the various methods in javascript with example program.	CO2	L2
7.	Demonstrate the working process of AJAX. Develop the program to retrieve the names of the artists from an XML file.	CO2	L3
8.	Summarize the methods associated with array object in JavaScript. Explain any two methods with an example.	CO2	L5
9.	Develop a javascript program to perform the email validation. Assume the following criteria to validate the email id. i. email id must contain the @ and . character ii. There must be at least one character before and after the @. iii. There must be at least two characters after . (dot).	CO2	L6
10.	Use Javascript and HTML to create a page with two panes. The first pane (on the left) should have a text area where HTML code can be typed by the user. The pane on the right side should display the preview of the HTML code typed by the user, as it would be seen on the browser.	CO2	L3

Unit – III
SERVER-SIDE SCRIPTING

S.No	Questions (2 Marks)	CO	Level
1.	Contrast between echo and print in PHP?	CO3	L4
2.	Interpret the correct and the most two common way to start and finish a PHP block of code?	CO3	L2
3.	Compare a session and cookies?	CO3	L5
4.	Categorize the php data types.	CO3	L4
5.	Illustrate how can PHP and Javascript interact?	CO3	L4
6.	Construct the code to connect to a MySQL database from a PHP script?	CO3	L6
7.	How can we access the data sent through the URL with the GET method?	CO3	L1
8.	Discover the statement to return a value from a function?	CO3	L4
9.	How is a constant defined in a PHP script?	CO3	L1
10.	Compare integer 12 and a string "13" in PHP?	CO3	L5
11.	Define Persistent Cookie?	CO3	L1
12.	List out the PHP String Functions.	CO3	L4

13.	Solve and output the following code:
	`<?php declare(strict_types=1); // strict requirement`
	`function addNumbers(float $a, float $b) : float {`
	`  return $a + $b;`
	`}`
	`echo addNumbers(1.2, 5.2);`
	`?>`
		CO3	L6

14.	What is htmlspecialchars() function?	CO3	L1
15.	Identify the use of preg_match() function	CO3	L3
16.	Identify the commend for destroy a session	CO3	L3
17.	Explain the necessity of Cookies and sessions	CO3	L1
18.	Identify the situation for cookies creation	CO3	L3
19.	List out the parts pf cookies	CO3	L1

S.No		CO	Level
20.	Identify the problems that a cookie causes	CO3	L3
21.	Justify session information is temporary	CO3	L6
22.	Explain the need of filters in PHP	CO3	L2
23.	Differentiate cookies and Sessions	CO3	L2
24.	List the type of filters in PHP	CO3	L1
25.	Determine the usage of filter_list(): in PHP	CO3	L6
26.	Classify and define the two advantages exception handling	CO3	L3
27.	Illustrate custom exception class	CO3	L3

S.No	Questions (16 Marks)	CO	Level
1.	Design a simple HTML form with two input fields and a submit button and send the form data for processing by php file. To get form data, use PHP superglobals $_GET and $_POST.	CO3	L6
2.	Construct a HTML form with various input fields: required and optional text fields, radio buttons, and a submit button to get name, email id and gender details and validate the above data using PHP.	CO3	L6
3.	Write a php function to sort an array.	CO3	L6
4.	Develop HTML form for connecting to database	CO3	L5
5.	With neat sketch explain the database connectivity with my SQL	CO3	L3
6.	Describe top level exception handler with example program	CO3	L6
7.	Develop a code for create a cookie and destroy the same	CO3	L5
8.	Explain the comments in connecting MYSQL	CO3	L6

Unit – IV
ANGULAR JS AND JQUERY

S.No	Questions (2 marks)	CO	Level
1.	Explain the differences between Angular and jQuery	CO 4	L2
2.	Identify the Ahead of Time Compilation?	CO 4	L4
3.	Explain ngOnInit () function	CO 4	L2
4.	List out the difference between Angular Component and Directive	CO4	L1
5.	Categorize different phases of the AngularJS Scope lifecycle.	CO4	L5
6.	Determine the AngularJS components that can be injected as dependency	CO4	L5
7.	Brief the use of $routeProvider	CO4	L5
8.	Distinguish between AngularJS and backbone.js	CO4	L2
9.	Differentiate between a link and compile in Angular.js?	CO4	L4
10.	Brief the linking function and its type	CO4	L5
11.	Explain directives and their types	CO4	L4
12.	Define $rootscope and how do we use it?	CO4	L3
13.	Organize the step to initialize a select box with options on page load.	CO4	L 4
14.	Define Dependency Injection.	CO4	L 1
15.	Create a program for to bootstrap process in Angular	CO4	L 6
16.	Compare and Contrast prop() and attr().	CO4	L 4
17.	jQuery a JavaScript or JSON library file justify.	CO4	L 4
18.	Illustrate the clone and Object in jQuery	CO4	L3
19.	Create a simple code to disable Browser's back button in jQuery.	CO4	L2

S.No	Questions (16 marks)	CO	Level
1.	Describe the architecture of MVC	CO4	L1
2.	Illustrate the Sample Angular Powered View with example	CO4	L4
3.	Develop a simple code fragment using NgFor. Create a file called mock-heroes.ts in the user defined folder and Define a HEROES constant as an array of ten heroes and export it and list the name of the heros.	CO4	L5
4.	List and Explain the Different data binding methods in angularjs with syntax.	CO4	L3
5.	Demonstrate passing data to directive type scope with sample coding fragment	CO4	L3
6.	Develop a code for printing the fees using filters	CO4	L6
7.	Explain function scope and service in AngularJS	CO4	L2
8.	Write a program to hide an HTML tag just by one button click in angular	CO4	L5
9.	Discuss the jQuery function used to provide effects.	CO4	L4
10.	List the different slide effects available in jQuery.	CO4	L1
11.	Illustrate the various CSS classes used to manipulate in HTML using jQuery	CO4	L3
12.	Create the jQuery code to select all links inside the paragraph	CO4	L6

Unit – V
UX AND UI

S.No	Questions (2 marks)	CO	Level
1.	Define UX design.	CO5	L1
2.	Evaluate the method to improve UX skills	CO5	L6
3.	Discuss the UX investigate Strategies.	CO5	L4
4.	Devise the best tool to use for the researcher to develop the good UX design process.	CO5	L4
5.	Write one element Component of the Facebook interface that improves content quality	CO5	L5
6.	Demonstrate the UX information needed to have before start designing.	CO5	L2
7.	Compare and contrast UX and UI	CO5	L4
8.	List out the example for usability test	C05	L4
9.	Name Four basic components of User interface	CO5	L1
10.	Construct a Process Improvement Tool	CO5	L5
11.	Apply UX design process for pre-planning and production.	CO5	L3
12.	Construct Drop box's responsive color system for UI	CO5	L3
13.	Decide whether Linear Layout using custom View and View Group object are in form of UI.	CO5	L5
14.	Find out 5 visual-design principles that can drive engagement and increase usability.	CO5	L1
15.	Choose a method that makes a good interaction design?	CO5	L5

S.No	Questions(16 marks)	CO	Level
1.	Describe the elements of UX design.	CO5	L2
2.	Discuss the six step UX process by apply to any known web application design.	CO5	L4

3.	Gathering user data and feedback is a hectic process but UX research methods serve as a way of streamlining the task a bit and making the data more readable justify.	CO5	L5
4.	Explain the levels of UX pyramid.	CO5	L1
5.	Creating a Digital App or showing multiple steps to use a physical product- Draw different sketches of the user interface on different piece of paper and simulate interactivity by linking and moving series of paper on table.	CO5	L6
6.	Design the UX research methods for streamlining the task and reading the data.	CO5	L5
7.	Classify the Navigational Components for UI Elements	CO5	L2
8.	Organize a prototyping tool for i) Frame X ii) MOCPLUS iDOC with UX design.	CO5	L3
9.	Construct process analysis tool for FMEA (failure modes effects analysis)	C05	L6
10.	Utilize how the elements together build pages and app screens optimally and how to achieve unity, gestalt, hierarchy, balance, contrast, scale, similarity of visual design.	CO5	L3
11.	Examine the five stages of UX Design process in order.	CO5	L4
12.	Justify if the labels "high" and "medium-high" are absent for each pie chart. Do you think new website visitors would be able to understand what each set of data implies for practice of information design aims to address challenging scenarios of data to make sense?	CO5	L5