

REVA UNIVERSITY
School of Computing and Information Technology

QUESTION BANK

Academic year : Odd Sem 2022 - 23		
Sub name : Web Technologies & Applications	Sub-code : B20EJ0501	Sem & Sec: 5 th A&B

UNIT-1						
Q. No.	Questions	Blooms Taxonomy level	Course Outcomes Mapped			
1	What tag and attribute are used to define a link? Discuss about it.	L2	CO1			
2	List and explain all HTML elements. Write HTML code to display an image. How line breaks, headings and fonts are handled in HTML.	L2	CO1			
3	Explain all controls that are created with the <input> tag with examples, which are used for text collection.	L2	CO1			
4	Give syntax and an example to each of the following tags: 1)<pre> 2) <div> 3) 4) 5) <p> 6) <blockquote> 7)<href> 8) <form>	L2	CO1			
5	HTML was originally developed by Tim Berners-Lee in 1990. He is also known as the father of the web. Define HTML and list the HTTP Methods with description.	L2	CO1			
6	Most web pages are written using the Hypertext Markup Language, HTML, which along with HTTP is a fundamental web technology. HTML pages can contain the familiar web links (technically called hyperlinks) to other documents on the Web. Write the Structure of HTML5 and list out the version of HTML.	L3	CO1			
7	XHTML is based on XML, and thus requires the source to be well-formed. Hence outline the differences between XML and HTML	L3	CO1			
8	Create a table with the following data: <table><tr><td>Community</td><td>Male</td><td>Female</td></tr></table>	Community	Male	Female	L3	CO1
Community	Male	Female				

		OBC	35	40			
		SC/ST	23	12			
		GEN	12	10			
9	Explain the following input components in HTML forms with proper syntax of the corresponding HTML tags. Text Input, Selectable list with multiple selection option, Radio Buttons					L3	CO1
10	Create HTML document to describe a table with the following contents: The columns of the table must have the headings pineapple, oak and fir. The rows must have the table average height, average width, typical lifespan and leaf type. Fill the data cells with some values.					L3	CO1
11	Create a web page that will have separate links to show map of India and World. When user will open a map of India, create links to display the information of each state i.e. highlighted in the map in a separate window/document. (The information should be brief i.e. not more than 3-4 sentences.) When user will open a world map, show the list of countries on clicking the image in a new window.					L3	CO1
12						L3	CO1
13	Assume that you're designing a web pages for the Cultural event organized in your institution, it has 3 divisions with the header, footer, section which contain event list and brochures of the event. At left side displays list of events and the right side displays the brochures of the event where the second page is a target of link from the first page.					L3	CO1
14	Create a web page for online registration of the international conference. The participants can be students, faculty members, professional, company / firm representatives from different countries. The registration fees should be accepted either in rupees or dollar. The payment can be made by credit card, debit card or demand draft. The participants should give choice for accommodation for provided four hotels with services (minimum five other than basic services) required.					L3	CO1
15	What would happen if the HTML Document does not contain <!DOCTYPE>?					L2	CO1
16	Illustrate the use of HTML5? And Explain in brief HTML5 SemanticElements					L2	CO1

17	Explain Inline Text Element? List the common Text-Level semantic Elements with suitable example?	L2	CO1																						
18	Write the necessary HTML code for given table. This should look similar to the one shown above. (Hint: use the colspan and rowspan attributes)	L3	CO1																						
	<table border="1"> <thead> <tr> <th rowspan="2">S. No.</th><th rowspan="2">Department Name</th><th colspan="2">Courses</th></tr> <tr> <th>UG intake</th><th>PG intake</th></tr> </thead> <tbody> <tr> <td>1</td><td>CSE</td><td>520</td><td>36</td></tr> <tr> <td>2</td><td>ECE</td><td>180</td><td>18</td></tr> <tr> <td>3</td><td>EEE</td><td>60</td><td>18</td></tr> <tr> <td>4</td><td>BArch</td><td>120</td><td>18</td></tr> </tbody> </table>	S. No.	Department Name	Courses		UG intake	PG intake	1	CSE	520	36	2	ECE	180	18	3	EEE	60	18	4	BArch	120	18		
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19	Define Microformats in HTML and illustrate the example markup for a person's contact information that uses the hcard microformat.	L2	CO1																						

UNIT-2 (CSS)

Q. No.	Questions	Blooms Taxonomy level	Course Outcomes Mapped
1	A CSS provides the properties of making the HTML documents attractive and colorful by adding different predefined and user defined styles to it. With respect to this explain the following CSS tags, with an suitable example : i) Classes selectors ii) Contextual Selectors iii) ID Selectors iv) Attribute Selectors	L2	CO2
2	Explain the following CSS tags, with an example for each : 1) Classes selectors 2) Pseudo classes 3) Background images 4) Text decoration 5) Alignment of text.	L2	CO2
3	What is the purpose of the external level style sheet? Compare it with the other two levels. Write the format of External level style sheet	L2	CO2
4	Explain with an example the following tags: Select colspan Radio button Style class sector <code><sub><dl><caption><select><div> <u>with respect to table</u> Align and Valign attributes tr, th and td attributes <table> Rowspan and colspan attributes Cell padding and	L3	CO2

	cell spacing attribute		
5	Consider an employee who wants to design a website for his company and the employee is design a website with more colorful and attractive pages. Discuss the different levels of style sheet available in CSS? Explain their usage, with syntax and suitable example.	L3	CO2
6	What is CSS? What are the selector forms? Explain with example, different types of selector forms, with syntax. With examples, explain a style class selector.	L2	CO2
7	Explain the box model (margin and padding property) with respect to css.	L2	CO2
8	Create an HTML document that includes atleast two images and enough text to precede the images, flowaround them (one on left and one on right) and continue after the last image (Note : Use CSS tags).	L3	CO2
9	Create XHTML document that contains student information viz. Name, usn, subject1, subject2, subject3. Insert values for each student in five rows. Also row background of each student should be in the different color.	L3	CO2
10	Explain the following, with respect to table creation in XHTML documents: a) table, tr, th and td tags b) align and valign attributes.. c) rowspan and colspan attributes. d) Cell padding and cell spacing attributes	L2	CO2
11	Explain the following with example. i) element visibility ii) absolute positioning.	L2	CO2
12	Explain the Benefit of CSS, with suitable example explain its syntax.	L3	CO2
13		L3	CO2
14	Explain with a neat diagram how form works? Discuss about query string and micro formats	L2	CO2
15	Explain the various text and list properties used in the below sample output.	L2	CO2
16	Design a CSS web page with all suitable HTML elements to display the Seven wonders of the world table with its following information inside the table.	L3	CO2
17	Explain the two Approaches to CSS Layout in detail.	L2	CO2
18	Create an webpage to illustrate the box model (margin, border and padding property) with respect to CSS where the style definition placed in external style sheet files.	L2	CO2
19	Explain with a neat diagram how form works? Discuss about query string and micro formats.	L2	CO2
20	Identify the approaches to CSS layouts and explain them in detail.	L2	CO2
21	What is responsive design? Why its important? Explain in detail	L2	CO2
22	Explain the float property of CSS. How do you create multiple columns	L2	CO2

	using float.		
23	How to change the properties of elements using innerHTML and style (node) properties.	L2	CO2
24	Explain the following with example. I) element visibility ii) absolute positioning.	L2	CO2
25	Explain positioning of elements.	L2	CO2
26	Explain the visibility property. How are they used?	L2	CO2
27	What is the difference between relative and absolute positioning.	L2	CO2
28	What does floating an element do in CSS? How do you float an element?	L2	CO2
29	Explain the following with example. i) element visibility ii) absolute positioning.	L2	CO2
30	Explain the float property of CSS. How do you create multiple columns using float and write the CSS code for 3 columns?	L3	CO2
31	Explain the four key components that make the responsive design work.	L2	CO2
32	With the help of CSS code explain how to overlap and hide the elements.	L2	CO2
JavaScript			
Q. No.	Questions	Blooms Taxonomy level	Course Outcomes Mapped
1	Describe three major differences between Java and Java script.	L2	CO2
2	What is Javascript? List its benefits and problems. ? Are OOP concepts incorporated in Javascript? How objects are handled in it?	L2	CO2
3	What are the major uses of Javascript on the client side?	L2	CO2
4	Explain different primitive types in javascript	L2	CO2
5	Explain Java script Array methods with examples.	L2	CO2
6	Describe the two ways to embed Javascript in an HTML document.	L2	CO2
7	Explain the concept of object creation and modification in java script	L2	CO2
8	Explain with examples, screen output and keyboard input.	L2	CO2
9	Explain pattern matching using regular expressions in javascript with example	L2	CO2
10	Which are the methods used for accepting inputs from the keyboard and for displaying results on the screen? Write a Javascript for accepting the user name and display it on the browser window?	L3	CO2
11	Write the difference between following pair of methods in javascript i) Pop() and unshift() ii) Match() and search()	L2	CO2
12	Explain the interactive dialogue boxes used in javascript	L2	CO2

13	Give examples for the different ways an array object can be created in java script, and also write HTML document and java script code to sort 'N' given values using a sorting technique.	L3	CO2
14	Describe functions in java script. Write an HTML document and java script function to computer and print factorial of a number, reversing a number, to generate Fibonacci numbers.	L3	CO2
15	Write a Javascript code that displays the text "REVA UNIVERSITY" with increasing font size in the interval of 100ms in blue color when the font size reaches 50 pt. it should stop increasing.	L3	CO2
16	Write a program in Javascript to accept three numbers using prompt and calculate the largest of three numbers.	L3	CO2
17	Create a form for collecting student details and create a JavaScript code to check the Name of the student with less than 50 characters and it should accept only English alphabetic characters.	L3	CO2
18	Explain various methods in JavaScript to access DOM Nodes with examples	L3	CO2
19	A client is a web browser through which users make requests, which contain input required, for service from the server to perform tasks. Server is a program running on a dedicated computer. Design a web page that takes student details such as Name, branch, Semester, University, date of admission, mobile number, emailed and check for validity or correctness of the input data by Writing a JavaScript to validate these fields.	L3	CO2
20	Describe the different ways to embed JavaScript in HTML document. Explain with examples.	L3	CO2
21	Explain the various ways of linking JavaScript code with HTML documents.	L2	CO2
22	Explain the Essential Document Object Methods with examples	L2	CO2
23	Explain the concept of object creation and modification of an array in java script. With the suitable explain how to Access the object Properties.	L2	CO2
24	Explain Empty Field Validation and Number Validation with suitable example.	L2	CO2
25	Explain the following two classes of Event.i) Form Events ii) Mouse Events	L2	CO2
26	Write a program in JavaScript to accept three numbers using prompt and calculate the largest of three numbers.	L3	CO2

UNIT-4

Q. No.	Questions	Blooms Taxonomy level	Course Outcomes Mapped
1	What these tags specify in PHP : <?php and ?> Can we run PHP from HTML file? If yes, how?	L2	CO4
2	What is cookie and session tracking, how are they handled in PHP	L2	CO4

3	Why PHP is known as scripting language? Write a program in PHP to calculate Square Root of a number?	L2	CO4
4	Explain file operation in PHP.	L2	CO4
5	How can we create links in PHP pages?	L2	CO4
6	What is the function of “foreach” construct in PHP?	L2	CO4
7	How do you create and access an array? Describe the various functions for dealing with arrays with example in PHP	L2	CO4
8	Explain the form handling in PHP for login form to check it for successful login or not	L2	CO4
9	Differences between GET and POST methods?	L2	CO4
10	What do you mean by Server Side Scripting?	L2	CO4
11	Explain all possible types of scope of variable?	L2	CO4
12	Explain with example the use of substring function?	L2	CO4
13	Write a program in HTML (Web-Page) having a form with firstname, lastname and a submit button. On clicking the button form validation should work (Use Javascript for that) and data entry should be saved in a database (PHP code needed, for insertion of data from “form” to database). Form should be styled using CSS. (Use any mode- inline, internal or external)?	L3	CO4
14	What do you understand about Numeric array, Associative array and Multidimensional array?	L2	CO4
15	Differences between GET and POST methods?	L2	CO4
16	Write the PHP code for fetching the data from a database to a webpage?	L2	CO4
17	How do you create and access an array in PHP? Define Superglobal Arrays Describe the \$_GET and \$_POST Superglobal Arrays with example in PHP	L2	CO4
18	Explain with suitable example the two basic techniques for read/writing files in PHP.	L2	CO4
19	With suitable syntax explain the class and object concept in PHP.	L2	CO4
20	Demonstrate a PHP program to develop a web page that accepts book information such as ISBN number, title, authors, edition and publisher and store information submitted through web page in MySQL database.	L3	CO4
21	Write to demonstrate the same concept in PHP program to keep track of the number of visitors to a web page and display the count of visitors with proper headings.	L3	CO4
22	Write a PHP Program to swap two integers to demonstrate the programming logic concepts in PHP.	L3	CO4