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**Question Paper Code: 98902**

B.E./B.Tech. DEGREE EXAMINATION, DEC 2021

Elective

Information Technology

19UIT902 – Internet Technology and Web Design

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. Differentiate HTML and HTML5 elements. CO1- U
2. Differentiate <p> and <pre> tag in HTML5 with example. CO1- U
3. Write a HTML5 program to display an list tag with relevant attributes. CO2- App
4. Write a HTML5 program to display an anchor tag with relevant attributes. CO2- App
5. Define JavaScript with example. CO1- U
6. Differentiate java and JavaScript. CO1- U
7. Write a JavaScript program to the check given number is Armstrong number or not. CO2- App
8. Write a JavaScript Program to Make a Simple Calculator. CO2- App
9. How to write HTML code in PHP? CO1- U
10. How can we define comments in PHP? CO1- U

PART – B (5 x 16= 80 Marks)

11. (a) Illustrate the HTML5 tags with example. CO1- U (16)  
Or  
(b) Illustrate the different ways to include CSS style sheets in the web page with example. CO1- U (16)
12. (a) Design a webpage for the student management system in the university. In that website to display the student full details like name, Register Number, Degree, Results and College name and Address using relevant HTML form tags and CSS. CO2- App (16)

Or

- (b) Design a web site (Home Page only) for Hospital management system with all features like patient enquiry page, doctor's availability, number of specialist, contact details, consulting hours and medicine details using relevant HTML form tags and CSS CO2- App (16)
13. (a) Demonstrate the functions in java script with example. CO1- U (16)  
Or  
(b) Demonstrate the java script using arrays and objects with example. CO1- U (16)
14. (a) Write JavaScript for the following. Provide a text box for the user enter user name. Validate the username for the number of characters(assume some no. say 6). Provide a SUBMIT button for the validation to happen. On successful validation display a new page with an image and two text boxes for entering the width and height of the image respectively with a RESIZE button below. On clicking the Resize button validate the width and height numbers and on successful validation display the image with the requested width and height. CO2- App (16)  
Or  
(b) Write a JavaScript function calculate Grade() that calculates student grade based on their average of 5 Marks Incorporate the function into a script that reads a value from the user. Display the result of the function in the browser's status bar. CO2- App (16)
15. (a) Write a PHP program to authenticate a user and retrieve all information from a HTML registration form and store in a given data base. CO2- App (16)  
Or  
(b) Write a PHP program to access a table and records from a student database to obtain the result of a student. CO2- App (16)