Reg. No. :

Question Paper Code: U5801

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2024

Fifth Semester

Information technology

21UIT501 - INTERNET AND WEB TECHNOLOGY

(Regulations 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. Write a HTML5 program to display a table with relevant attributes.   CO2-App

3. Differentiate Class selector from element selector.   CO1-U

4. You have an HTML document that contains a form with various input fields.   CO2-App
   Apply CSS styles using appropriate selectors to achieve the following
   requirements:

   i.   Style the text input fields with a background color of "#F2F2F2", a
        border of 1 pixel solid "#CCCCCC", and a padding of 5 pixels on all
        sides
   ii. Style the submit button with a background color of "#4285F4", a text
        color of "#FFFFFF", and a padding of 10 pixels on all sides.

5. Write a bootstrap program to display different button styles.   CO2-App

6 List out the key components of Bootstrap.   CO1-U

7 Differentiate server side scripting and client side scripting.   CO1-U

8 Write a JavaScript program to the check given number is Armstrong number   CO2-App
   or not.

9 Differentiate GET and POST methods in PHP.   CO1-U

10 How do you create a simple for loop in PHP?   CO2-App

11. (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. 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, and number of specialist, contact details, consulting hours and medicine details using relevant HTML form tags. CO2-App (16)

12. (a) Develop a web page for your college information (Assume your own data) using appropriate CSS selectors and HTML. Justify your code which CSS selector and types will be suitable for the design. CO3-Ana (16)

Or

(b) Design a web page that shows the result of a survey on a student election campaign. The document should contain a table showing list of candidates and corresponding percentage of votes for each of them. Use attributes to format width, border and cell spacing for the table. Justify your code which CSS selector and types will be suitable for the design. CO3-Ana (16)

13. (a) Discuss the grid system in Bootstrap. Explain how the grid system works, including the use of containers, rows, and columns. Provide a code example to demonstrate the creation of a responsive layout using Bootstrap's grid system. CO1-U (16)

Or

(b) Discuss the concept of responsive navigation using Bootstrap. Explain how you can create a responsive navigation bar using Bootstrap's built-in classes and components. Discuss the importance of mobile-first design in creating responsive navigation. CO1-U (16)

14. (a) Design a webpage with a textbox where the user can enter a four digit number and a button "validate". Validate the entered number for the following using java script. No zero as the first digit. Entered number must be in ascending order of digits (Ex: 1234, 5678…) CO2-App (16)

Or

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(b) Write a JavaScript function calculate Grade() that calculates CO2-App (16)
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.

15. (a) Write a PHP program to authenticate a user and retrieve all CO2-App (16)
information from a HTML registration form and store in a given
database.

Or

(b) Develop a PHP program to display student database with CO2-App (16)
minimum details using appropriate CSS selectors, HTML, and
store it in a given database.

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