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Reg. No. :

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

Fifth Semester

Computer Science Engineering

19UCS501 - Internet and Web Technology

(Regulation 2019)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. What is the correct HTML for adding a background color?   CO1- U

    (a) <background> yellow <Background>   (b) <body color = "yellow">

    (c) <body bgcolor = "yellow">   (d) <body bg ="yellow">

2. -------- gives better performance with smaller number of objects or larger   CO1- U
    surface.

    (a) <figure>   (b) <SVG>   (c) <canvas>   (d) <header>

3. Which of the following function of the String object returns the character in   CO1- U
    the string starting at the specified position via the specified number of
    characters

    (a) slice()   (b) split()   (c) substr()   (d) search()

4. What will be the output of the following PHP code?   CO2- App

    < ?php
    $total = "25 students";
    $more = 10;
    $total = $total + $more;
    echo "$total" ;
    ?>
    (a) Error   (b) 35 students   (c) 35   (d) 25 students

5. There is a way of describing XML data, how?   CO1- U

   (a) XML uses a DTD to describe the data   (b) XML uses XSL to describe data

   (c) XML uses a description node to describe data   (d) Both (a) and (c)

PART – B (5 x 3= 15 Marks)

6. Write an html document to display the Tamilnadu state map.   CO2- App

7. Illustrate the CSS box model. Be sure to label each of the components of the   CO1- U
   box.

8. Create a form for student information. Write a java script to calculate total, CO2- App
   average, result and grade.

9. Write the differences between Client side scripting and Server side scripting. CO1- U

10. What is meant by XML namespace?   CO1- U

PART – C (5 x 16= 80Marks)

11. (a) (i) Create an HTML5 document that contains links to your five   CO1- App   (8)
         favorite daily deals websites. Your page should contain the heading
         "My Favorite Daily Deals Web Sites." Click on each of these links
         to test your page.

         (ii) Create an HTML5 document containing an ordered list of three   CO1- App   (8)
         items, ice cream, soft serve and frozen yogurt. Each ordered list
         should contain a nested, unordered list of your favorite flavors.
         Provide three flavors in each unordered list.

                                      Or

    (b) Create a job application form By using any one of the CSS Types.   CO1- App   (16)
         ❖ Create an area called section one and place text boxes that
            receives details –
            ➢ Name
            ➢ Age
            ➢ Gender
            ➢ High School
            ➢ Qualifications
         ❖ Create an area called section two and place text boxes that
            receives details
            ➢ Previous Employment
            ➢ References
            ➢ Qualification
         At the end place a submit button

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12. (a) Develop an animated website using HTML and CSS.   CO2- App   (16)

Or

(b) Design a web page using Html and CSS for feedback form for a online bookstore. As the user moves between form fields, ensure that each field is non empty. For the e-mail field, ensure that the e-mail address has a valid format. In addition, create a file that contains a list of e-mail addresses that are not allowed to post feedback. Each time the user enters an e-mail address, check whether it is on that list; if so, display an appropriate message.   CO2- App   (16)

13. (a) Write the registration form for the creation of email account with all possible validation using JavaScript   CO3- App   (16)

Or

(b) Explain the JavaScript array handling and array methods.   CO3- App   (16)

14. (a) Design a HTML form to read a semester marks of 10 students from the user with proper validation. Write a PHP Script to read all the marks and calculate total and average of your semester marks and display the marks, total and average in HTML table format.   CO2- App   (16)

Or

(b) Create a class named 'Animal' with the data members, family and food. Use appropriate member functions to read and display the member data. Inherit the two classes 'Cow' and 'Lion' from the Animal class with the necessary methods.   CO2- App   (16)

15. (a) Describe the differences between client/server interactions in traditional web applications and client/server interactions in Ajax web applications.   CO1- U   (16)

Or

(b) What is 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- U   (16)

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