Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Sixth Semester B.Tech Degree Regular and Supplementary Examination July 2021

Course Code: IT302
Course Name: INTERNET TECHNOLOGY

Max. Marks: 100   Duration: 3 Hours

PART A
Answer any two full questions, each carries 15 marks.   Marks

1   a)   Create a login page in HTML. The page should contain the provisions to submit and clear username and password.   (4)

     b)   What are Cascading Style sheets? Illustrate the concept of Inline and Embedded style sheets with examples.   (8)

     c)   Illustrate any three HTML tags to display special characters.   (3)

2   a)   Create an HTML5 document containing an ordered list of three items-icecream, softserve and frozen yogurt. Each ordered list should contain a nested, unordered list of favourite flavours. Provide these flavours in each unordered list.   (5)

     b)   How does conflicting occur in CSS styles? What happens when conflicting occurs?   (8)

     c)   How can you create a hyperlink to an email address?   (2)

3   a)   Illustrate the CSS box model. Also give an example.   (3)

     b)   Describe the following input elements with examples.   (8)

        a) textarea b) checkbox c) radio button d) submit

     c)   Write external css and html files for the following   (4)

        a) Some paragraphs are purple   b) Some headings are orange

        c) Some headings are in green and font size 15

        d) There two images pic1 and pic2 at position top 15pt and right 15pt.The pic1 should appear in front.

        The html file consists of all these styles and some normal headings and paragraphs.

PART B
Answer any two full questions, each carries 15 marks.

4   a)   How can you create a function in JavaScript? Explain with the help of an example.   (5)

b) Write a JavaScript that reads an integer and determines and outputs HTML5 text that displays whether it is odd or even. (3)

c) How can you traverse and modify a DOM Tree? (7)

5 a) Illustrate DOM collections. Explain different flavours of DOM collections available. (7)

b) Write a JavaScript to check whether the input number is Niven or not (Note: Niven number is an integer that is divisible by the sum of its digits). (5)

c) Write a program to show the current date and time using JavaScript. (3)

6 a) Write a JavaScript program to accept an integer array and check whether the smallest element in the array is prime or not. Use appropriate user defined functions. (8)

b) What is meant by event handling in JavaScript? With an example show how can you handle mouse move event in JavaScript. (7)

PART C
Answer any two full questions, each carries 20 marks.

7 a) Explain how asynchronous requests are managed in Ajax Applications with an example. (10)

b) Implement a hospital management system using php. The system should have the facilities to (10)

    (i)   Register a patient (patient name, patient_id, age, address)

    (ii)   Search a patient using patient_id

    (iii)   Delete a patient

    (iv)   Update the details of a patient

8 a) Write an XML file and its DTD for storing employee details. The details consist of name, department, empid, mobile number and address. The address consists of house_name, street_name and district. (10)

b) Explain the different steps involved in accessing a MySQL database from PHP. Write down its syntax. (10)

9 a) How to create XHR object? Explain the methods and properties of XHR object with an example. (10)

b) What is meant by cookies? How can you create cookies in PHP? (7)

c) Illustrate the way in which you can access web servers. (3)

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