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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

August 2023 Semester End Make-Up Examinations

Programme: B.E.
Branch: Common to all Branches
Course Code: 22CS1ESWEB
Course: Introduction to Web Programming

Semester: I
Duration: 3 hrs.
Max Marks: 100
Date: 17.08.2023

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

UNIT - I

1 a) How does domain name conversion happen on web? Describe the concept with a figure by taking a suitable example. — 6

b) Write an HTML code for which represents the score of a Hockey game, games in which the team names have their respective team colors. The score of the leading/winning team should appear larger and in a different font than the losing team. — 8

c) Write the division <div> based HTML semantic structure elements, with example. — 6

UNIT - II

2 a) Create an HTML form called RESUME FORM consists of the following elements. — 10

Text box, Radio buttons, Checkboxes, Submit button and Choice list.

Consider Name, Gender, Hobbies, Semester as labels.

b) Differentiate GET and POST methods in HTML. — 4

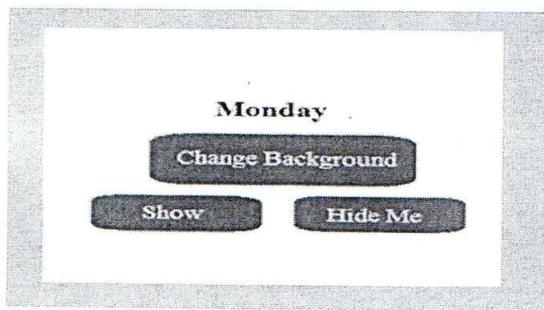c) Write a HTML code for the following design requirement. — 6

Time Day		9.00 am to 1.15 pm	2.00 pm to 5.00 pm
Mon to Fri	Sub	Theory class	ML/WTA Lab
	FI	ABC/EFG/XYZ	AD block, 1st floor
Sat	Sub	Extra curricular activity	
	FI		

UNIT - III

3 a) List out various selector forms in CSS and explain it with example. — 10

b) Use CSS definitions to make the box model, buttons bigger and better-looking. The page could look like the following: **10**

Also provide following necessary code.

(i) Change the button background colour , when the mouse cursor 'hovers' over the "Change Background" button.

(ii) Hide the text "Monday" when user presses the "Hide Me" button.

OR

4 a) Differentiate relative and absolute measure unit in CSS. Why are relative units preferred over absolute units in CSS? **6**

b) Consider an img element, provide a CSS rule that uses absolute positioning to position the image in the top-right corner of the image's surrounding container, 10 pixels from the top edge and 10 pixels from the right edge. **6**

c) Provide a class selector rule that specifies the foreground and background colors shown in the following "Feliz Navidad!" text. For the foreground color, use an HSLA value with 80% opacity. For the background color, use an HSL value. For your class selector, use christmas as the class attribute value. **8**

Feliz Navidad!

UNIT - IV

5 a) How control statements work in Javascript? Give two real time examples using control statements. **6**

b) Explain the various methods and its usage of string object . **6**

c) Show how JavaScript can be used to open a new browser window, with a named page displayed in it. The new window should have a width of 200, a height of 200, a location bar. Add a note on resizing the created window with suitable code. **8**

OR

6 a) Write a multiple-choice quiz. It has five questions and the user can only select one answer for each question. After the user selects an answer, alert him or her if he or she is wrong, and show the user the correct answer in a separate textbox field. Show the simple timer to the user, upon form submission display total marks scored. **10**

b) Design the webpage using Javascript to validate the name, the name should be entered using prompt. The first and last name should be more than 10 characters **10**

and middle name must contain only initial. If so display validation corresponding name. The format is the first_name, second_name, third_name. There should be single white space between first_name, second_name and third_name.

UNIT - V

7   a)   Explain event handler connection for DOM event model.   **10**

    b)   Design the webpage using HTML and JavaScript, script that checks passwords, that includes two passwords as input elements, along with reset and submit buttons. Implement the below mentioned functions to check: **10**

> i) Both entered passwords are same
>
> ii) Both entered passwords are different
>
> iii) If no password is typed in either of the password fields

Use on submit event to trigger a call to display an alert box if the error occurs.

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