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**Question Paper Code : 10834**

M.C.A. DEGREE EXAMINATIONS, APRIL/MAY 2023.

Elective

MC 4023 – WEB DESIGN

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Write down five golden rules for web designing.
2. Discuss any two HTTP methods.
3. List some GUI elements in webpage design.
4. What are Sass functions?
5. Write down the syntax for each of the following:
  - (a) An HTML inline element
  - (b) An HTML block element
6. Which technology has come up as a replacement to "@media"? Give any two advantages.
7. Write down two differences between static webpage and dynamic webpage.
8. List down any four JavaScript events.
9. Is PHPMYADMIN a server or a tool? List down its features.
10. On page load, a pop-up gets displayed in a web page with two choices such as "Accept Cookies" and "Decline Cookies" In this case, which gets values from the server — "Request Header" or a "Response Header"? Justify.

PART B — (5 × 13 = 65 marks)

11. (a) Elaborate on the DOM model with a neat sketch.

Or

(b) Explain in brief about geographical components and listener methods in window design.

12. (a) Design the following registration page using HTML and any four CSS style attributes.

Registration Form

The image shows a registration form with the following fields: Salutation (dropdown menu), Name (text input), Mobile No (text input), Gender (radio buttons for Male and Female), Email (text input), Date of Birth (text input with format dd-mm-yyyy), Address (text input), and a Submit button.

Or

(b) Design the following Time table using HTML and at least four CSS style attributes.

Day/ Period	I	II	III		IV	V	VI	VII
Monday	Eng	Mat	Che	L U N C H	LAB			Phy
Tuesday	LAB				Eng	Che	Mat	SPORTS
Wednesday	Mat	Phy	Eng		Che	Library		
Thursday	Phy	Eng	Che		LAB			Mat

13. (a) Explain the order of precedence of CSS selectors (Class, Id, Tag) with different examples.

Or

- (b) Discuss the advantages of the Bootstrap over CSS. Show that Bootstrap that generates view dynamism with two classes with example.

14. (a) Write a javascript code to print the fibonacci sequence of "n" numbers.

Or

- (b) List down JQuery animation methods. Explain any two in detail with unique examples.

15. (a) Compare cookie with session for data forwarding in an user registration and user detail updation modules using PHP and MySQL.

Or

- (b) Write the code snippet to retrieve records from database using PHP.. Design a HTML course enrollment count table with three fields (SL\_NO, COURSE\_NAME, COUNT) for 4 courses in your university/College. Retrieve course enrollment count from the database and fill in the table accordingly using PHP.

PART C — (1 × 15 = 15 marks)

16. (a) Create a HTML program to generate a bank passbook with five consecutive transactions in the following format.

Date	Sender/Reciever	Amount
01/01/2023	Org_Id_1	5000Cr
01/01/2023	Org_Id_2	2500Dr

- (i) Use internal CSS Class selector to provide different colors (blue and green) to table header and table body.
- (ii) Use javascript function to extract last two characters of each record in the <Amount> field in a variable <temp>.
- (iii) Use internal CSS ID selector to update the color of record to red, if <temp> value is "Dr".

Or

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(b) Create a user login module to fulfil the following constraints.

(i) Perform Email validation for "user name" in client side. (7)

(ii) Perform password validation on server using MySQL. (8)

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