Roll No ..O?10CA22DOJ4.....

MCADD-503

M.C.A. (Integrated), V Semester

Examination, December 2024

Advanced Web Designing

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What are HTML tags and entities and how are they used in web development? Describe the purpose of some commonly used tags and entities in HTML.   7

   b) Explain how to create and customize tables in HTML. What are the key considerations for designing tables to ensure clarity and user-friendliness?   7

2. a) How can graphics, custom backgrounds and colors be used to enhance a webpage? Explain how to create a webpage that effectively uses these elements.   7

   b) What is CSS, and how does it enhance HTML in web design? Describe the main purpose and advantages of using CSS in web development.   7

3. a) What are the essential features of CSS? Explain how these features contribute to consistent design and ease of maintenance across a website.   7

   b) What is an external style sheet and how is it linked to an HTML document? Explain the benefits of using external style sheets, especially for larger websites.   7

4. a) What is JavaScript, and how does it enhance web pages? Describe the steps involved in writing and executing a basic JavaScript script, both in line and as an external file. 7

   b) Describe the control statements available in JavaScript, such as if, else, and switch. How do these statements enable decision-making in scripts? 7

5. a) What are JavaScript frameworks and why are they useful in web development? Provide examples of popular frameworks and describe how they simplify coding and enhance functionality. 7

   b) What is PHP, and how did it originate? Describe the typical uses of PHP in web development and how it differs from other server-side languages. 7

6. a) What are primitives in PHP and how are operators used with them? Give examples of commonly used operators and expressions in PHP code. 7

   b) Explain how user-defined functions are created in PHP. What are regular expressions, and how are they used for pattern matching and validating data? 7

7. a) What is MySQL, and how does it support database management? Outline the steps for setting up and connecting to a MySQL database. 7

   b) What are some common operations performed on table data in MySQL, such as inserting, updating and deleting records? Provide examples of SQL statements for each operation. 7

8. a) Discuss some of the built-in functions in MySQL, such as string, numeric and date functions. How do these functions simplify data manipulation and querying? 7

   b) How does CSS facilitate the styling of block elements, lists and tables? Describe the methods and properties commonly used to style these elements effectively. 7

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