

**5 MJ 60512**

FOUR YEAR B.Sc. (Honours) DEGREE EXAMINATION, NOVEMBER/DECEMBER 2025.

FIFTH SEMESTER

Computer Science

Paper - XII – WEB INTERFACE DESIGNING TECHNOLOGIES

(w.e.f. 2023-24 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

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PART A — (5 × 4 = 20 marks)

Answer any FIVE questions.

1. Differentiate between web applications and desktop applications.
2. Write the structure of a simple HTML program with an example.
3. What is CSS combinators? Explain with an example.
4. Write short notes on pseudo classes and pseudo elements in CSS.
5. What are JavaScript arrays? Illustrate with an example.
6. Explain the use of exception handling in JavaScript with syntax.
7. Write a note on different kinds of dialog boxes in JavaScript.
8. Explain how data format validation can be performed using JavaScript.
9. What are WordPress widgets? Give suitable examples.
10. List the features and advantages of WordPress.

PART B — (5 × 10 = 50 marks)

Answer ALL the following questions.

11. (a) Explain the different HTML elements and attributes with examples.

Or

- (b) Write HTML code to create a web page that includes headings, paragraphs, images, a table, and a list.

12. (a) Discuss CSS box model properties: margin, padding, border, and content with examples.

Or

- (b) Explain the use of CSS in designing forms, image galleries, and tooltips. Provide suitable examples.

13. (a) Explain different operators in JavaScript with suitable examples.

Or

(b) Describe string manipulations and mathematical functions in JavaScript with code snippets.

14. (a) Explain how to access HTML form elements using the JavaScript object model. Give an example of basic data validation.

Or

(b) Write JavaScript code to demonstrate the use of mouse and keyboard events to generate responsive messages.

15. (a) Discuss the process of installing and configuring WordPress and accessing its adminpanel.

Or

(b) Explain how to create and manage posts, pages, themes, and plug-ins in WordPress.

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