

Total number of printed pages – 4

**63 (FY)SEM-1/SEC/MATSEC1013**

**2025**

**MATHEMATICS**

**(SEC)**

Paper : MATSEC1013

**(HTML and Web Designing)**

Full Marks : 40

Pass Marks : 16

Time : Two hours

***The figures in the margin indicate full marks for the questions.***

1. Choose the correct option from the following :  
1×5=5

(i) What is the latest version of HTML as of 2025 ?

(a) HTML4

(b) HTML5

(c) XHTML

(d) HTML6

(ii) Which markup language is used for styling web pages?

- (a) HTML
- (b) XML
- (c) CSS
- (d) SGML

(iii) Which tag contains metadata about the HTML document?

- (a) `<body >`
- (b) `<head >`
- (c) `<title >`
- (d) `<div >`

(iv) Which principle ensures that a website is easy to navigate?

- (a) Usability
- (b) Contrast
- (c) Repetition
- (d) Balance

(v) Which of the following is NOT a part of web designing?

- (a) Creating visual layouts
- (b) Writing server-side code

(c) Choosing color schemes

(d) Designing navigation menus

2. Answer **any five** of the following questions :  
2×5=10

(i) Write the full form for HTML and DHTML.

(ii) Differentiate between HTML and XML as markup languages.

(iii) What is the role of the '`<nav >`' tag in building a simple website?

(iv) Explain the importance of testing a website across multiple browsers.

(v) Define web designing and state its primary goal.

(vi) What is responsive web design, and why is it important?

(vii) Differentiate between web hosting and domain registration.

3. Answer **any three** of the following questions :  
5×3=15

(i) Describe how web designing differs from web development, with examples of tasks specific to each.

- (ii) Name *any five* HTML form elements and mention their tasks.
- (iii) Explain the role of the '<head>' element in an HTML document, including at least three types of metadata it can contain.
- (iv) What kind of issues might be addressed while maintaining a website ?
- (v) What is a PowerPoint ? What are the major features that a PowerPoint-based presentation offers ?

4. Answer **any one** of the following questions :  
10×1=10

- (i) Discuss the role of *five* basic HTML tags ('<p>', '<h1>', '<a>', '<img>', '<ul>') in structuring a webpage. Provide a code example incorporating all five tags and explain how they contribute to content organization.
- (ii) Define web designing and explain its key components. Provide an example of a well-designed webpage, discussing how its design elements enhance user engagement and accessibility.