

63(FY)SEM-1/MATSEC1013

2024

MATHEMATICS

Paper : MATSEC1013

(HTML and Web Designing)

Full Marks : 40

Pas Marks : 16

Time : Two hours

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

1. Choose the correct answer : $1 \times 5 = 5$

(i) Which of the following is the correct way to create a hyperlink in HTML ?

(a) `<a>http://www.example.com`

(b) `<link = "http://www,example.com">Click Here</link>`

(c) `Click Here`

- (d) `Click Here`
- (ii) Which tag is used to define an image in HTML ?
- (a) `<image>`
(b) ``
(c) `<picture>`
(d) `<graphic>`
- (iii) Which of the following is NOT a block-level element ?
- (a) `<div>`
(b) ``
(c) `<p>`
(d) `<h1>`
- (iv) What is the purpose of the `
` tag in HTML ?
- (a) To break a paragraph
(b) To make text bold
(c) To insert a line break
(d) To create a horizontal line

- (v) How can you apply bold formatting to text using CSS ?
- (a) `font-weight : bold;`
(b) `text-style: bold;`
(c) `text-weight: bold;`
(d) `font-style: bold;`
2. Answer the following questions (**any five**): $2 \times 5 = 10$
- (a) Write the full form for HTML and DHTML.
(b) How are the images inserted within a web page ?
(c) Explain the purpose of using a navigation bar in a website.
(d) What is responsive web design and why is it important ?
(e) Explain the role of a markup language in web development.
(f) Write how frames are incorporated within a webpage.
3. Answer the following questions (**any three**): $5 \times 3 = 15$
- (a) Write five advanced HTML tags with their uses.

- (b) What is a PowerPoint? What are the major features that a PowerPoint based presentation avail?
- (c) What are some common web design tools used by designers? Explain.
- (d) Discuss any three key principles of good web design. How do these principles improve the user experience on a website?
- (e) How can web files be uploaded to a server? Discuss the use of FTP and other methods for transferring files to a web server.

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

- (a) Explain the complete process of registering a domain and selecting a web hosting service. Discuss the differences between domain registration and hosting, the types of hosting services available.
- (b) Discuss the role of CSS in web design. Explain the different ways to apply CSS and their respective advantages and disadvantages.