

2025

IWT

Full Marks : 100

Time : 3 hours

Answer **all** questions

*The figures in the right-hand margin indicate marks*

SECTION – A

1. Write the *correct* answer from the given alternatives : 1 × 10

(a) The protocol used to transfer hypertext documents on the web is :

- (i) FTP
- (ii) SMTP
- ☒ (iii) HTTP
- (iv) SNMP

( Turn Over )

( 2 )

(b) A web browser is used to:

- (i) Host web applications
- ☒ (ii) Retrieve and display web pages
- (iii) Store server data
- (iv) Design websites

(c) Which of the following is an example of a web server ?

- (i) Chrome
- ☒ (ii) Apache
- (iii) Outlook
- (iv) Oracle

(d) The attribute used to specify the background color in HTML is :

- ☒ (i) bgcolor
- (ii) color
- (iii) style
- (iv) fontcolor

I-UG-MDC-I(IWT)

( Continue )

( 3 )

(e) Which HTML tag is used to create a hyperlink ?

- (i) <link>
- ☒ (ii) <a>
- (iii) <url>
- (iv) <href>

(f) Which form element is used for multiple selections ?

- (i) Radio button
- ☒ (ii) Checkbox
- (iii) Dropdown list
- (iv) Text area

(g) CSS can be applied to HTML using :

- (i) Inline style
- (ii) Internal style sheet
- (iii) External style sheet
- ☒ (iv) All of the above

I-UG-MDC-I(IWT)

( Turn Over )

( 4 )

(h) The correct syntax for an external CSS link is :

- (i) `<style src="style.css">`
- ~~(ii) `<link rel="stylesheet"`~~  
`href="style.css">`
- (iii) `<css link="style.css">`
- (iv) `<stylesheet src="style.css">`

(i) The function used to print output to console is :

- (i) `document.write()`
- (ii) `alert()`
- ~~(iii) `console.log()`~~
- (iv) `innerHTML`

(j) The keyword used to declare a variable in JavaScript is :

- (i) variable
- ~~(ii) var~~
- (iii) dim
- (iv) declare

I-UG-MDC-I(IWT)

( Continue )

( 5 )

### SECTION – B

2. Answer the following questions : 2 × 9

- (a) Write full form of HTTPS and explain its purpose.
- (b) Define a web server. Give one example.
- (c) What is the function of a URL ?
- (d) Mention any two list tags in HTML.
- (e) Write the syntax of the `<img>` tag.
- (f) Write the use of `<head>` and `<body>` tags.
- (g) What is the difference between padding and border in CSS ?
- (h) What is the use of display property in CSS ?

I-UG-MDC-I(IWT)

( Turn Over )

( 6 )

- (i) Write the syntax to declare a variable in JavaScript.

### SECTION – C

3. Answer any *eight* of the following :  $5 \times 8$

- (a) Describe the role of HTTP in client-server communication.
- (b) Explain front-end and back-end web development with examples.
- (c) Compare Internet Protocols : HTTP, FTP and SMTP.
- (d) Write an HTML code to display a table with three rows and two columns.
- (e) Explain various input types supported in HTML forms.
- (f) Explain the structure of an HTML document with example and diagram.

I-UG-MDC-I(IWT)

( Continued )

( 7 )

- (g) Explain the difference between inline, internal and external CSS.

- (h) Explain control statements in JavaScript with syntax and examples.

- (i) Discuss the Box Model in CSS.

- (j) Differentiate between 'document.write()' and 'console.log()' methods.

### SECTION – D

4. Answer any *four* of the following :  $8 \times 4$

- (a) Explain the process of how a web page is requested and displayed on the browser.
- (b) Write a short note on hyperlinks and lists in HTML.

I-UG-MDC-I(IWT)

( Turn Over )

- (c) Write an HTML code to design a student registration form with fields: Name, Email, Password, Gender, Course and Submit button.
  - (d) Write a JavaScript program to find the sum of first n natural numbers using a for loop.
  - (e) Design an HTML page with external CSS to display a simple student profile card using box model properties (margin, padding, border).
-