

2025

COMPUTER SCIENCE — HONOURS

Paper : SEC-2

(Session : 2024 - 2025)

[Web Development]

Full Marks : 50

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

Answer *question no. 1* and *any four* from the rest.

1. Answer *any five* questions : 2×5
- (a) State differences between <UL> and <OL> tag.
  - (b) Explain with example the role of attribute in a tag.
  - (c) How do you center a div element in CSS?
  - (d) What is the difference between internal, external and inline CSS?
  - (e) What is the purpose of the alt attribute in the <img> tag?
  - (f) Differentiate between <strong> and <b> tags in HTML.
  - (g) Explain difference between padding and margin in CSS.
  - (h) How frames can be created?
2. (a) What is the difference between id and class selectors in CSS?  
(b) How will you embed multiple HTML pages within a single web page?  
(c) What is the role of the DOCTYPE declaration in HTML document? 2+5+3
3. (a) Give an example of how video can be placed on web page.  
(b) How do you add comments in a CSS stylesheet?

Please Turn Over

(3556)

(c) Write code to create the following table :

<b>BLACK</b>	<b>YELLOW</b>		
<b>LEMON</b>	<b>BLUE</b>	<b>GRAY</b>	<b>WHITE</b>
<b>ORANGE</b>			
<b>PINK</b>	<b>RED</b>	<b>GREEN</b>	

2+2+6

4. (a) Differentiate between inline, block-level and inline-block elements.  
 (b) Write code snippet that creates a login form having fields 'user id', 'password', 'login' button and two hyper links 'reset password' and 'New user'.  
 (c) What is opacity? Write code to describe it. 3+5+2
5. (a) Discuss different types of form elements in HTML.  
 (b) Describe the difference between display : none and visibility : hidden in terms of element behaviour.  
 (c) Explain with example how CSS 'overflow' works. 6+2+2
6. (a) What is Responsive Web Design? How does it work?  
 (b) Why do we need Responsive Web Design? (2+3)+5
7. (a) Write an HTML form for a Job Application that includes :  
 – Full Name (text input, max 50 characters)  
 – Email (email input)  
 – Resume (file upload)  
 – Experience (radio buttons : Fresher, 1 – 3 yrs, 3+ years)  
 – Skills (checkboxes : HTML, CSS, JS, Python)  
 – Submit button.  
 (b) Write HTML code to create a table displaying a Student Grade Report with the following columns :  
 Subject | Marks | Grade | Remarks.  
 Include at least four subjects and a total row. Use appropriate table headers and styling. 6+4
8. (a) Describe the different CSS positioning schemes : static, relative, absolute and fixed.  
 (b) How can float-based layouts be replaced with modern techniques like flexbox? 6+4

( 3 )

D(2nd Sm.)-Computer Science-H/SEC-2/CCF

(Session : 2023 - 2024)

[Web Development]

Full Marks : 75

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

Answer **question no. 1** and **any three** from **Group - A** and **any five** from **Group - B**.

1. Answer **any five** questions : 2×5
- (a) What is the difference between internal, external and inline CSS?
  - (b) What is white space in HTML?
  - (c) What is the purpose of the DOCTYPE declaration in HTML?
  - (d) Differentiate between <strong> and <b> tags in HTML.
  - (e) What is Hypertext link?
  - (f) State the differences between <P> and <br> tags.
  - (g) What is the purpose of the alt attribute in the <img> tag?
  - (h) How can comments be included in HTML?

**Group - A**

- 2. (a) What is the difference between id and class selectors in CSS?  
(b) Give an example of how video can be placed on web page. 2+3
- 3. Discuss different types of form elements in HTML. 5
- 4. How many ways can CSS be added to HTML file? 5
- 5. Discuss the differences between HTML tags and HTML elements. 5
- 6. What are the differences between Block level element and Inline element in HTML? 5

**Group - B**

- 7. (a) Explain the use of ordered, unordered and description lists in HTML with a brief example of each.  
(b) Explain the following CSS background properties :  
background-color, background-image, background-repeat and background-size. 6+4

**Please Turn Over**

**(3556)**

8. (a) How can we hide and unhide element in CSS?  
 (b) Explain the purpose of the following table attributes with examples :  
 (i) rowspan  
 (ii) colspan  
 (iii) cellspacing. 4+6
9. (a) What is Responsive Web Design? How does it work?  
 (b) Why do we need Responsive Web Design? (2+3)+5
10. (a) Write a code snippet in HTML/CSS to display the following table :
- |   |   |   |
|---|---|---|
| A |   | B |
| C | D | G |
| E | F |   |
- (b) What is the function of the target = "blank" attribute in an anchor (<a>) tag?  
 (c) What is the use of the title attribute in HTML tags? 6+2+2
11. (a) Compare CSS margins and padding with suitable examples.  
 (b) How can one create an alert in Bootstrap?  
 (c) What is a marquee? 4+4+2
12. (a) What do you mean by transform property in CSS?  
 (b) Describe all the transform functions in brief. 2+8
13. (a) Write a code snippet that creates a login form having fields "user id", "password", "login" button and two hyperlinks "reset password" and "New user".  
 (b) What is opacity? Write code to describe it. 7+3
14. (a) Write HTML code to create a table displaying a Student Grade Report with the following columns :  
 Subject | Marks | Grade | Remarks.  
 Include at least six subjects and a total row. Use appropriate table headers and styling.  
 (b) What is the box model in CSS? Name its four components. 6+4