H   Roll No. 2292109

TBC–404

B. C. A. (FOURTH SEMESTER) MID SEMESTER EXAMINATION, March, 2024

WEB TECHNOLOGIES

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Explain the working of electronic mail system with the help of SMTP, POP3, IMAP and MIME protocols.   (CO1)

   OR

   (b) Differentiate the following terms with example :   (CO1)

   (i) Static *vs*. Dynamic Website

   (ii) Website *vs*. Web Applications

2. (a) Explain the role of hyperlinking in HTML with all the attributes ? Explain internal and external linking with suitable example. (CO1)

OR

(b) What is the importance of frames in HTML ? Create an html page named as "frame 1.html". Divide the page into two columns of 40% and 60% size. In 40% column display an image and divide the 60% column into two rows. (50% and 50%). In the first 50% display the "img.html" and other 50% pic.jpg. (CO1)

3. (a) Explain all the ways to apply CSS styles to a web page. Create a web page which contains all the CSS styles. (CO2)

OR

(b) What do you mean by pseudo elements in CSS ? Apply the pseudo elements on the following elements : (CO2)

(i) Add some content before the <div>element.

(ii) Change the font and background color of the paragraph on selection.

4. (a) Create a travel registration form as mentioned below : (CO2)

   (i) Full name

   (ii) Email address

   (iii) Phone number

   (iv) Attached ID proof

   (v) Select tour package (using select)

   (vi) Arrival Date

   (vii)No. of persons

   (viii)Terms and conditions (agree or not agree)

   (ix) Complete reservation

   (x) Reset

OR

(b) Explain the box model concept with proper diagram. Apply all the box model properties on the <div> element. (CO2)

5. (a) Differentiate between Application server and Web server in detail. (CO1)

OR

(b) Explain all the table attributes in detail. Create a table for the following :　(CO2)

Student Information		
Name	Roll No.	Department