



Total No. of Questions: 4

Total No. of Pages: 2

SECOND YEAR (BSc Computer Science)
COM24102 Internet Technologies (HTML & CSS & PHP)
(Semester IV)

Program:B.Sc Computer Science

Program Specific: BSc(comp05)

Course Type: S.Y.BSc(Computer Science)

Paper: COM24102 Internet Technologies-(HTML & CSS & PHP)

Credits: 2

Time: 2 Hours

Max. Marks: 30

SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labeled diagram wherever necessary.

SECTION: A

Q1) Answer the following

[5 X 1= 5]

1. Define HTML.
2. How can you create a table in HTML?
3. Write HTML code to represent an ordered and unordered list.
4. Write difference between margin and padding in CSS.
5. How do you define and call a function in PHP?

SECTION: B

Q2) Answer the following (Attempt any 5/7)

[5 X 2 =10]

1. Illustrate is the box model in CSS and why is it important.
2. Discuss the process of retrieve data from html form using the \$_POST and \$_GET superglobals in PHP.
3. Describe how to create a hyperlink that links to an external website and opens in a new tab.
4. Write an html code to create a table, Explain Use of <tr>.<td> & <th> tags.
5. Explain what is Semantic and non-Semantic Elements in HTML. List down Semantic Elements and Non Semantic in HTML.
6. Write the Syntax for-loop and for-each in PHP.
7. Explain the use of the <head> and <body> tags in HTML document.

SECTION: C

Q3) Answer the following(Attempt any 2/4) [2 X 5 = 10]

1. Discuss the five golden rules of web design Explain.
2. Write HTML code to create a form that includes fields for "Username," "Password," and a "Login" button And apply external CSS file to apply css Properties to each element Html .
3. Create a PHP script that defines a function isPalindrome(\$string) which takes a string as an argument and returns true if the string is a palindrome, false otherwise. Test the function with various strings.
4. Create a PHP script that merges two arrays: one with names of cities and another with corresponding countries. Display the merged array as an associative array with city names as keys and country names as values.

SECTION: D

Q4) Answer the following (Attempt any 1/2) [5 X 1 = 5]

1. Write a code to create a web page that displays a traffic signal with red, yellow, and green lights using HTML and CSS. The lights should be arranged vertically, and each light should have a distinct color. You will use CSS to style the lights and HTML to structure the page.
2. Create a PHP script that defines a function countOccurrences(\$string, \$word) which takes a string and a word as arguments and returns the number of occurrences of the word in the string. Test the function with various strings.
