



SEMESTER END EXAMINATIONS – MAY 2023

Program	: B.E :- Common to CSE / ISE / CSE(CY) / AI & DS / BT / AI & ML / CSE (AI&ML) / CV	Semester	: I
Course Name	: Introduction to Web Programming	Max. Marks	: 100
Course Code	: PLC141	Duration	: 3 Hrs

Instructions to the Candidates:

- Answer one full question from each unit.

UNIT - I

- Briefly explain the HTML coding convention. CO1 (06)
 - Differentiate between old HTML and HTML5. CO1 (06)
 - Explain : i) ii) iii) iv) <u> elements with an example for each. CO1 (08)
- Write an HTML document that has six short paragraphs of text. Define three different paragraph styles p1, p2 and p3. The p1 style must use left and right margins of 20pixels, a background color of yellow, and a foreground color of blue. The p2 style must use font size of 18 points, font name 'Arial' and a font style in italic form. The p3style must use a text indent of 1 centimeter, a background color of green, and a foreground color of white. The 1st and the 4th paragraph must use p1, the 2nd and 5th must use p2 and the 3rd and 6th must use p3. CO1 (06)
 - Explain : i) <block> ii) <pre> iii) <phrasing> iv) <cite> elements with an example for each. CO1 (08)
 - Differentiate between the following HTML tags with suitable examples: CO1 (06)
 - h1 and div
 - hr and vr
 - body and title.

UNIT - II

- Explain the tag-based multimedia in HTML documents with an example. CO2 (10)
 - Explain the concept of Client-Side Graphics with <canvas>. CO2 (10)
- Write a short note on Loose syntax Returns and XHTML5. CO2 (10)
 - HTML5 documents contain a header element, which is used to set the header section of a document and thus often contains the standard h1 to h6 heading elements. With an example, mention all six header elements in it. CO2 (05)
 - Why is Marking Text important? Justify. CO2 (05)

UNIT - III

- Explain type selectors and universal selectors with suitable examples. CO3 (06)
 - Create a Web page that uses HTML and CSS to contain texts with different background colors, different types of font with varying opacity. CO3 (08)
 - What does "cascading" mean in the term "Cascading Style Sheets"? Explain. CO3 (06)

6. a) What is the syntax for the element that links a web page to an external CSS file? Illustrate with an example. CO3 (06)
 b) Write a web program to include the following text: CO3 (08)
 "Web programming refers to the writing, markup and coding involved in Web development, which includes Web content, Web client and server scripting and network security. The most common languages used for Web programming are XML, HTML, JavaScript, Perl 5 and PHP." This content is placed in a border with sufficient padding and thick borders. The text is indented to 4em, right aligned.
 c) Discuss the HSL and HSLA Values for Color. CO3 (06)

UNIT- IV

7. a) What are the different types of href values? Explain with an example. CO4 (06)
 b) What is the need of thead and tbody elements in CSS? Write a source code in CSS to display the following table which shows average annual Global temperature. CO4 (07)

Average Annual Global Temperatures

Year	Temp Rank	Avg Temp (°F)
2016	1	58.98
2015	2	58.77
2014	3	58.53
2013	5	58.37
2012	9	58.33

- c) What are the various Table elements used in CSS. Write a source code for Wind Disasters web page in CSS. CO4 (07)
 8. a) List and describe any three structural pseudo class selectors used in CSS. Write CSS code for Power Table Web Page. CO4 (09)
 b) Identify the need of "a element" in CSS, illustrate with example. CO4 (05)
 c) What are the Common formats for web page bitmap image files and explain. CO4 (06)

UNIT - V

9. a) Name the purpose of Java script (JS). Write JS code display hello world! CO5 (07)
 b) What is Document Object Model (DOM) and what are the three ways to access the nodes in the node tree. Write a DOM node tree for any simple web page. CO5 (08)
 c) Explain the coding conventions used in Onchange Event Handler with an example. CO5 (05)
 10. a) Define Text Control in JS with its Syntax. Write Email Address Generator Web Page using Text Control. CO5 (10)
 b) What are the common event-handler attributes and their associated events? Use different event handler to implement Scraps the Dog web page in JS. CO5 (10)
