Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

B.Tech Degree S6 (S, FE) / S6 (PT) (S, FE) Examination May 2024 (2015 Scheme)

Course Code: CS368

Course Name: WEB TECHNOLOGIES

Max. Marks: 100   Duration: 3 Hours

PART A

Answer all questions, each carries 3 marks.   Marks

1	Write a note on web browser and web server with examples.	(3)
2	Write the syntax of URL? Explain with one Example?	(3)
3	Write the basic structure of HTML document.	(3)
4	Explain the following HTML tags with example.	(3)

      1. <dl> 2. <pre>

PART B

Answer any two full questions, each carries 9 marks.

5	a)	What is CGI. Explain the working of CGI with example.	(5)
	b)	Explain content management system and write the different phases of content management system.	(4)
6	a)	Compare HTML and XHTML.	(4)
	b)	Design a simple 'check list' page for grocery shopping(milk,egg,bread) using HTML forms.	(5)
7	a)	Explain block tags and inline tags with example.	(4)
	b)	Explain the request phase and response phase in HTTP.	(5)

PART C

Answer all questions, each carries 3 marks.

8	What are the different levels of style sheets.	(3)
9	Write a note on class selectors and id selectors with example.	(3)
10	Explain call back functions in JavaScript.	(3)
11	Outline the various ways to display message in JavaScript.	(3)

PART D

Answer any two full questions, each carries 9 marks.

12	a)	Differentiate between <span> and <div> tags with examples.	(3)
	b)	Write a JavaScript program to compute the roots of a quadratic equation.	(6)
13	a)	Write a note on pseudoclasses . Explain with examples	(4)
	b)	Write JavaScript code to accept a number from the user and then displays the factorial of the same. Use a function to calculate and return the factorial value.	(5)
14	a)	What is Box Model? With suitable example explain margin, border and padding properties.	(4)
	b)	With suitable code snippets, explain shift(), concat() and slice() methods in JavaScript.	(5)

PART E

Answer any four full questions, each carries 10 marks.

15	a)	Outline the features and advantages of XML.	(4)
	b)	Describe how to convert XML document into HTML document using XSL with example.	(6)
16	a)	What is the significance of cookies in web? How can a cookie be created and destroyed in PHP?	(4)
	b)	Design a simple HTML form to input two numbers and display the result of addition, subtraction, multiplication and division when the form is submitted. Use a PHP script.	(6)
17	a)	Illustrate the difference between XML and HTML.	(4)
	b)	Write a PHP program to check whether the given number is prime or not.	(6)
18	a)	Write a note on XML Namespace.	(5)
	b)	Explain different methods to create Array in PHP with examples.	(5)
19	a)	Explain sort(), assort(), ksort() functions in PHP.	(6)
	b)	Explain how complex data type is defined in an XML Schema with an example.	(4)
20	a)	What are the various data types used in JSON? Explain the use of parse() and stringify() functions in JSON with examples.	(4)
	b)	Write a PHP script to count the instances of words in a string?	(6)

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