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Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
SIXTH SEMESTER B.TECH DEGREE EXAMINATION, APRIL 2018
Course Code: CS368
Course Name: WEB TECHNOLOGIES

Max. Marks: 100   Duration: 3 Hours

PART A
Answer all questions, each carries 3 marks.   Marks

1	List out the roles of web servers in web technology.	(3)
2	Write the syntax of URL? Explain with one Example?	(3)
3	What are the advantages of a Content Management System?	(3)
4	Explain the different types of buttons in HTML	(3)

PART B

Answer any two full questions, each carries 9 marks.

5	a)	What is CGI? How does it work? How do web server and CGI program communicate?	(5)
	b)	What do you mean by MIME?	(4)
6	a)	Write notes on headings and block quotations.	(4)
	b)	Give syntactic differences between HTML and XHTML.	(5)
7	a)	Write HTML code to design a web page to create a table with 6 rows and 3 columns for entering the mark list of 5 students. Assume suitable headings for each column.	(4)
	b)	Explain the request and response phases in HTTP?	(5)

PART C
Answer all questions, each carries 3 marks.

8	What do you mean by "class" and "id" in CSS? Explain with example?	(3)
9	How to link an external style sheets to an HTML document? What are the attributes required for that?	(3)
10	What are the different methods by which we can convert a string to a number in JavaScript?	(3)
11	Does jQuery helps in writing javascript code. Justify your answer	(3)

PART D
Answer any two full questions, each carries 9 marks.

12	a)	What is bootstrap? What is the advantage of using bootstrap?	(4)
	b)	Write CSS code for the following:	(5)

      i)   set the background color for the hover and active link states to "yellow".

      ii)   Set the list style for unordered lists to "square".

      iii)   Set "Flower.gif" as the background image of the page

      iv)   Set dashed border for the document.

13	a)	Differentiate between <span> and <div> tags with examples.	(4)
	b)	Explain various String properties and methods present in JavaScript.	(5)
14	a)	Write a JavaScript program to find the factorial of a number.	(4)
	b)	Write a JavaScript code to solve a quadratic equation by reading the coefficients through dialog box. Also use confirm dialog box to check whether user wants to continue or not.	(5)

PART E

Answer any four full questions, each carries 10 marks.

15	a)	Explain XML document structure?	(5)
	b)	What is the requirement of XML Schema? Explain.	(5)
16	a)	Explain simple and complex data types in XML with suitable example?	(10)
17	a)	How XSLT style sheets can be used to control page layout in XML?	(5)
	b)	Differentiate between JSON and XML?	(5)
18	a)	What are the different ways to create an array in PHP? Explain with example?	(4)
	b)	What is server side scripting? Write a PHP program to check whether the given number is Armstrong or not?	(6)
19	a)	How can we declare attributes of an element in DTD?	(5)
	b)	Design an HTML form for entering a number by the user. Write a PHP code to display a message indicating, whether the number is odd or even, when clicking on the submit button.	(5)
20	a)	Write a PHP script to count the instances of words in a string?	(5)
	b)	What is the significance of cookies in web? How can a cookie be created and destroyed in PHP?	(5)

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