Reg No.:_____   Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Sixth semester B.Tech degree examinations (S), September 2020

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 the syntax of URL with suitable example.	(3)
2	What is the significance of HTTP?	(3)
3	Write an HTML code to display the following table.	(3)

Flower Show	
Flower Name	Colour
Red Rose	Red
White Rose	
Jasmine	White

4	Explain any six differences between HTML and XHTML?	(3)

PART B

Answer any two full questions, each carries 9 marks.

5 a) What is CGI? How does it work? (5)

    b) Write brief notes on the method of operation of web servers. What is stored (4)
in the document root and server root folders of a web server?

6 a) What is MIME type? Give examples. Why should MIME type information (3)
be essentially included in HTTP responses?

    b) Write an HTML code to display your class time table? (6)

7 a) Write the equivalent HTML code to implement the following in a web page: (3)

1) An image titled "flower.jpg" with proper attribute to set height, width and
message text.

2) Unordered list with values tea, coffee and milk

    b) Explain following html tags with proper example. (Any Four) (4)

1.<input> 2. < img> 3.< dl> 4.< form> 5.<a>

    c) Differentiate between block tags and inline tags with suitable examples. (2)

PART C
Answer all questions, each carries 3 marks.

8 Write a JavaScript program to read an integer value using prompt and display its square? (3)

9 Write about CSS Box model with neat diagram? (3)

10 What is the syntax of JavaScript and Why JavaScript is enclosed in HTML comments? (3)

11 Explain how to control spacing in between text, words and lines with proper examples (3)

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

12 a) Discuss various types of control statement in JavaScript? (4)

b) How to link an external style sheets to an HTML document? Describe the various attributes used? (3)

c) JavaScript is known as object-based language. Justify your answer? (2)

13 a) Write CSS code for the following: (4)
    i) set the background color for the hover and active link states to "yellow".
    ii) Set the list style for ordered lists to "lower case alphabet".
    iii) Set "Boat.gif" as the background image of the page.
    iv) Set dotted border for the document.

b) What is a selector in CSS? What do you mean by contextual selector and where it is used? (3)

c) Explain following tags with proper example? (2)
    1.<span> 2.<div>

14 a) What is client-side scripting? Write a JavaScript program which accepts N as input and print first N even numbers. (5)

b) Explain how to create objects in JavaScript with example? (4)

PART E
Answer any four full questions, each carries 10 marks.

15 a) How to do pattern Matching in PHP? (4)

b) Write a PHP script to count the instances of words in string? (6)

16 a) Differentiate between simple and complex data types in XML. (4)

b) What are the different ways to create array in PHP? Explain with example? (4)

c) List out any 4 string functions in PHP? (2)

17 a) What do you mean by an XML namespace? Explain it? (4)

b) What is the difference between sort, assort and ksort functions? (3)

c) List out some XML applications? (3)

18 a) Design an XML document containing details about four students. Student attributes can be added as per your choice. (5)

b) Explain XSLT style sheet with example? (5)

19 a) Design a simple HTML form to input a string and to display whether it is Armstrong or not when the form is submitted. Use a PHP script. (5)

b) What is the significance of cookies in web? How can a cookie be created and destroyed in PHP? (5)

20 a) Differentiate between XML schema and DTD. (5)

b) Create a DTD for a catalogue of cars, where each car element has the child elements make, model, year, colour, engine and doors. The engine element has the child elements no_of_cylinders and fuel_type. (5)

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