

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	White
Jasmine	

- 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 in the document root and server root folders of a web server? (4)
- 6 a) What is MIME type? Give examples. Why should MIME type information be essentially included in HTTP responses? (3)
- 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. 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. 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)
