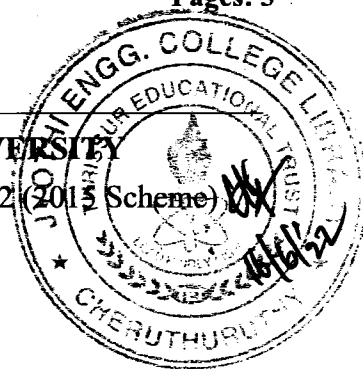


Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

Sixth Semester B.Tech Degree (S,FE) Examination May 2022 (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 What is a URL? Explain the different parts of URL with example. (3)
- 2 Explain HEAD, PUT and POST HTTP methods. (3)
- 3 What is CGI? How is it useful? (3)
- 4 Distinguish between cell spacing and cell padding attributes of table tag with a suitable example. (3)

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

- 5 a) Describe the use of MIME by explaining the various type and subtypes. (4)
- b) Write the code for the following output: (5)

*Price List*

	Veg	Non Veg	Snacks
<b>Breakfast</b>	30	85	15
<b>Lunch</b>	45	90	20
<b>Dinner</b>	40	65	15

- 6 a) Explain the HTTP web communication process. (5)
- b) Demonstrate the use of size and multiple attributes for select tag with help of code. Draw the relevant output also. (4)
- 7 a) Explain basic structure of HTML document. Compare HTML and XHTML. (5)
- b) Write HTML code to implement a form which has the following elements: (4)
  - i. A textbox which has label "NAME" accept a maximum of 30 characters.
  - ii. A textbox which has label "PASSWORD" accept a maximum 8 characters and it mask characters when user enters
  - iii. A selection list containing four items, "CS201", "CS202", "CS203", "CS204", first two of which are always visible

- iv. A submit button, clicking on which will prompt the browser to send the for data to the server "http://responses.mysite.com" using "get method."

### PART C

*Answer all questions, each carries 3 marks.*

- 8 Differentiate between id selector and generic selector in CSS with suitable examples. (3)
- 9 What are the uses of *text-indent* and *text-align* properties? What are the possible values the properties can take? Demonstrate with example. (3)
- 10 With suitable code snippets, explain alert(), confirm and prompt() methods. (3)
- 11 With suitable figure, distinguish between primitives and objects. (3)

### PART D

*Answer any two full questions, each carries 9 marks.*

- 12 a) How are conflicts resolved when there are two different values for the same property on the same element in a document. (4)
- b) Explain DOM concept in JavaScript. (5)
- 13 a) Explain different levels of style sheets with example. (4)
- b) Write an HTML code and JavaScript program to find factorial of number. The JavaScript should be an external file. (5)
- 14 a) What is Box Model? By choosing a suitable example explain margin, border and padding properties. (4)
- b) Write a JavaScript program to demonstrate various String functions such as (5)
- i) length()
  - ii) ~~charAt()~~
  - iii) substring()
  - iv) toLowecase().

The input string should be given using prompt() function.

### PART E

*Answer any four full questions, each carries 10 marks.*

- 15 a) Write short notes on XML schema. (6)
- b) Describe the various ways in which Arrays are created in PHP. (4)
- 16 a) What is the difference between simple and complex XML schema types? Explain with examples for each. (5)
- b) What is a cookie? How does PHP support the concept of Cookies? (5)

- 17 a) How are Elements, Attributes and Entities declared in DTD? Explain in detail. (5)  
b) Explain the concept of Scope and Lifetime of a PHP variable. (5)
- 18 a) What is the use of XSLT? How is it processed? (5)  
b) PHP uses dynamic typing. Justify. (5)
- 19 a) Explain the attributes of the opening tag of an XML schema. (5)  
b) What are the methods for sequential access of Array elements in PHP? (5)
- 20 a) With an example, explain how XML documents are displayed with CSS. (5)  
b) Explain sort, asort, ksort and its reverse functions in PHP. (5)

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