H.T.No.

Code No: CS1511                                                    **GEC-R14**

**III B. Tech I Semester Regular / Suppl. Examinations, November 2017**

# WEB TECHNOLOGIES
(Computer Science and Engineering)

**Time: 3 Hours**                                              **Max. Marks: 60**

**Note:** All Questions from **PART-A** are to be answered at one place.
Answer any **FOUR** questions from **PART-B.** All Questions carry equal Marks.
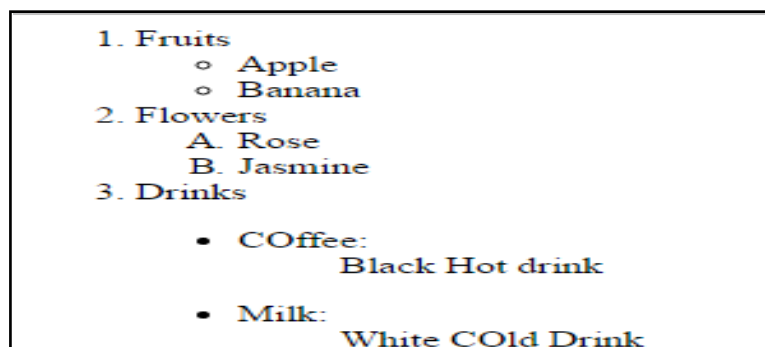
## PART-A

$6 \times 2 = 12M$

1. Explain the following attributes for creating tables in HTML.

    A) rowspan        B) colspan

2. Specify various data types in JavaScript?

3. Define XML?

4. What are Web Servers?

5. Define Scriptlet?

6. List different types of JDBC Drivers.

## PART-B

$4 \times 12 = 48M$

1. a) Develop the following web page using HTML lists (Hint: Nested List).          (6M)



   b) Briefly explain CSS properties: Background, Font, Text and Links.          (6M)

2. a) Illustrate the use of onsubmit, onblur, onfocus and onload events? Explain with an example.          (6M)

   b) Write a JavaScript which reads a number given and displays the output in words (Eg:- Given 123, Output should be ONE TWO THREE).          (6M)

3. a) Explain how XML is useful in defining data for web applications.          (6M)

   b) Describe the different techniques that are used to parse XML files.          (6M)

4. a) Define Servlet. Explain Servlet Life cycle mechanism.          (6M)

   b) Write a servlet application to find the sum of digits of the number entered through the HTML form.          (6M)

5. a) What are the limitations of Servlets? Explain how JSP over comes these problems. (6M)

   b) Implement a JSP that allows the user to select an item from a list and to press submit button later prints the item on web page. (6M)

6. a) Sketch and explain Struts framework architecture. (4M)

   b) Write a JSP program that lists all books and the authors from books Database. (8M)

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