

Roll No.										
Paper Code: CS-504										

B.TECH
(III SEM) ODD SEMESTER EXAMINATION 2016-17
WEB TECHNOLOGY

[Time: 3 Hours]

[Max. Marks: 100]

Note: Attempt all Questions. All Questions carry equal marks.

1. Attempt any **FOUR** parts of the following:- (5X4=20)

- a) What are the restrictions imposed on a static method or a static block of code?
- b) Explain any three protocols governing the web application. [SEP]
- c) What is a constructor? How many types of constructors are there?
- d) Differentiate between interface and abstract class.
- e) Explain WEB. Write down The difference between a Static page and a Dynamic page
- f) What is the difference between the Reader/Writer class and the input Stream/Output Stream class?

2. Attempt any **FOUR** parts of the following:- (5X4=20)

- a) How does HTML differ from XML? Explain with the help of an example.
- b) Write a CSS rule that changes the color of all elements containing attributes class: 'green move' to green and shift them down 25 pixels and right by 15 pixels.
- c) Give a technical note on DTD. Explain its difference with schema.

- d) What is form validation? How is it done with the help of XML
- e) Create a XML file designed to contain information about student performance on a module. Each student has a name, a roll number, a subject mark and an exam mark.
- f) Differentiate between the following
 - (i) ROLSPAN & COLSPAN
 - (ii) HTML & DHTML

3. Attempt any FOUR parts of the following:- (5X4=20)

- (a) What do you mean by event? How event handling is done in Java Script?
- (b) Write a short on DOM? Give an example of implementation of DOM in a JavaScript
- (c) What do you mean by AJAX? Is it same as JavaScript? Describe its Uses
- (d) Write about VB Script.
- (e) Explain how events are handled in JavaScript. Create a JavaScript which has event handlers for the buttons "red", "blue", "green", "yellow" and "orange" which must produce message stating the chosen favorite color. The event handler must be implemented as a function, whose name must be assigned to the on click attribute of the radio button elements. The chosen color must be sent to the event handler as a parameter.

4. Attempt any TWO parts of the following:- (10X2=20)

- a) (i) Explain servlet API and servlet packages in java?
(ii) Name the methods of Servlet Request class and explain their usage.
- b) (i) What is JSP? What are various JSP scriplet elements? Explain with example.

- (ii) What are various implicit objects used with JSP? Explain.
- c) (i) Write short notes on ASP.NET
- (ii) Give an overview about COM/DCOM.

5. Attempt any **TWO** parts of the following:- **(10X2=20)**

- 1) What is PHP? What are its advantages? Explain the file upload process in PHP.
- 2) What are filters in PHP? Write a PHP script to explain the use of switch? Also explain what is session?
- 3) What is PHP ODBC? Write script in PHP to send a mail to a person. How exceptions are handled in PHP.