[07 – 4129]

IV/IV B.Tech. DEGREE EXAMINATION.

First Semester

Computer Science and Engineering

Elective III – WEB TECHNOLOGIES

(Effective from the admitted batch of 2010–2011)

Time : Three hours   Maximum : 70 marks

Question No. 1 is compulsory.

Answer any FOUR from the remaining.

All questions carry equal marks.

Write all parts of any question at one place.

1. (a) How to use Line Break and Horizontal Line tags in HTML? Give an example.

   (b) How to add Java Script onto a webpage?

   (c) Define bean persistence.

   (d) What is the use of XSL?

   (e) What is generic servlet?

   (f) What is meant by session tracking?

   (g) What is scriptlets? Give its advantages.

2. Describe different types of CSS with syntax and also explain the following terms related to CSS:

   (a) Font size

   (b) Font weight

   (c) Font stretch

   (d) Text decoration

   (e) Text transformation

   (f) Text alignment

   (g) Padding

3. (a) Describe elements in XML and also different types of content of elements.

   (b) Consider XML document with the following schema:

   [Sl.no, name(First name, last name), Address].

   Write DTD for the above schema.

4. Write a java script to validate a form consisting of a hall ticket number as username and Mobile number as password. Also navigate to another web page after validation.

5. (a) Discuss the methods defined by ServletRequest interface.

   (b) How is session tracking achieved by URL rewriting? Explain with suitable example.

6. (a) Write about the components of JSP.

   (b) Write a JSP to demonstrate the usage of page and include directives.

7. (a) Write about different types of JDBC drivers with syntax.

   (b) Write JDBC program to fetch student data from the student database using JDBC-ODBC driver.

8. Write short notes on the following:

   (a) Bean properties

   (b) Session bean

   (c) Struts framework.