III B.Tech - II Semester – Regular Examinations - May 2015

WEB TECHNOLOGIES
(Common for CSE, IT)

Duration: 3 hours   Marks: 5x14=70

Answer any FIVE questions.   All questions carry equal marks

1 a) Discuss about 3-tier web architecture with neat diagram.

7 M

   b) Write a HTML script to manage personal details of a student like name, class, qualifications, photo, address etc., using tables and other suitable tags.   7 M

2 a) Write a JavaScript program to search for a particular pattern using the necessary JavaScript objects methods.   7 M

   b) Describe the different ways that styles can be added to a page.   7 M

3 a) Explain the concept of DTD with an example.   8 M

   b) What is a Parser? Compare DOM and SAX parsers.   6 M

4 a) Explain Introspection in Java Beans.   7 M

   b) Demonstrate with a suitable example the connecting of
      beans with events in the Bean Box.   7 M

5 a) How to communicate with database using JDBC APIs. 7 M

   b) Write a JDBC program to update a record using Prepared
      Statement class.   7 M

6 a) What are the benefits of web applications? Discuss about
      web architecture models.   7 M

   b) Explain the life cycle of a servlet.   7 M

7 a) Discuss the structure of HTTP request and HTTP response
      in Servlets.   7 M

   b) Explain the concepts of initializing parameters and Request
      Dispatcher Interface in working with HTTP requests and
      responses.   7 M

8 a) How is data and control is shared across JSP pages? Explain
      in detail with an example.   7 M

   b) Write short notes on JSTL and AJAX.   7 M