Printed Pages: **EIT-401**

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 113401   Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

B.TECH.

Theory Examination (Semester-IV) 2015-16

WEB TECHNOLOGY

Time : 3 Hours   *Max. Marks : 100*

Section-A

1. **Attempt all parts. All parts carry equal marks. Write answer of each part in short.** $(2 \times 10 = 20)$

    (a)   What are the good characteristics of a web project?

    (b)   List the five protocols that governs web.

    (c)   Differentiate client side scripting and server side scripting with an example.

    (d)   What features differentiates HTML from XML?

    (e)   What are the necessary tools or servers required to execute Java Beans?

(f) Can you call a JSP from a servlet? Justify.

(g) Is tomcat server a web server or application? Discuss.

(h) What is the difference between forward and sendRedirect tag in JSP?

(i) What are the predefined classes which are used for data base connectivity in javax.sql package?

(j) Does the JDBC-ODBC bridge support multiple concurrent open statement per connection?

Section-B

2. Attempt any five questions from this section. [10×5=50]

(a) State the importance of internet and web page. Discuss the salient features of Cyber laws in India.

(b) Discuss the various communication issues of the web developments strategies.

(c) Describe the various list available in HTML with neat example.

(d) What is CSS? Discuss the various properties of CSS. With an example, demonstrate how CSS is validated, when all the types of CSS are included in single statement for execution ?

(e) Take the TickTock bean available in BDK, build an application which controls the colors bean. Develop the necessary code to exhibit the bound properties of java beans with the above mentioned beans.

(f) How does JSP works? List the JSP implicit objects. Develop a JSP program to display a different image each time a user visits a page and the images are links.

(g) What are the advantages of servlets over JSP? With neat diagram explain the life cycle of servlets.

(h) Define framework. How does framework support for web application development? Discuss briefly about struts framework and its importance.

Section-C

Note: Attempt any two questions from this section. (15×2=30)

3. Discuss the difference between HTML and DHTML with respect to elements. Design a homepage for your college website using HTML, DHTML and CSS (separate webpage has to be created for each department).

4. Develop a XML application to get the details of Books (Title, Author Name, ISBN No, Publisher details). List out the details of Computer science related books. Write DTD, Schema, XSL wherever required?

5. How database connectivity is done using JDBC?Write a JSP program to display net salary of employee, use JDBC connectivity to get employee details from database.

P.T.O.