B.TECH.
THEORY EXAMINATION (SEM–IV) 2016-17
WEB TECHNOLOGY

Time : 3 Hours   *Max. Marks : 100*

Note : *Be precise in your answer.* *In case of numerical problem assume data wherever not provided.*

SECTION-A

1   **Explain the following :**   **(10×2=20)**

    a)   Write a simple HIML document that contains a selectable link.

    b)   What is a session? How is it handled in ASP?

    c)   Give some properties of Java Beans.

    d)   What is meant by dynamic HTML?

    e)   Differentiate between Web server and Web browser.

    f)   How is active webpage related to static and dynamic webpage?

    g)   Write an ASP code for user authentication process.

    h)   What do you understand by CSS.

    i)   What is the difference between GET and POST request?

    j)   What is the need for client side scripting?

SECTION-B

2   **Attempt any five of the following :**   **(10×5=50)**

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

    b)   Write a java program to sort an integer array without using API methods?

    c)   What are the basic concepts of exception handling? Write a java program with single try block to handle multiple exceptions.

    d)   What is XML Namespaces with example? Why DTD is required in XML?

    e)   What do you understand by AJAX? What are the applications of AJAX? Explain with appropriate examples.

    f)   Write an example for scrollable result set with read only mode.

    g)   Explain Java Servlet life cycle and interfaces in detail.

    h)   What do you understand by exceptions and how they are handled? Also define try and catch blocks. Is it essential to catch all types of exceptions?

SECTION-C

Attempt any two of the following :   **(15×2=30)**

3   i) Compare and contrast between ASP and JSP.

    (ii) What is meant by XML schema? Give an XML schema that contains student's name, branch and roll numbers.

4   (i) How is array creation done in JavaScript? Write an example.

    (ii) What are the JDBC components? Explain in details

5   Write short notes on following:

    (i) DOM

    (ii) VB Script

    (iii) EJB