B.Tech. – VIEP – COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2017

00264

BICS-023 : WEB TECHNOLOGY

Time : 3 hours   *Maximum Marks : 70*

Note : *Attempt any **seven** questions. All questions carry equal marks.*

1. (a) What is web service ? Explain with the help of an example.   5

   (b) Briefly explain the planning and development process of web application.   5

2. (a) Differentiate between external style sheet and internal style sheet.   5

   (b) Explain the following HTML tags and their main attributes :   5
   (i) <img>
   (ii) <frame>

3. (a) What is XML parser ? What is DOM parser ? List the interfaces of DOM. 5

   (b) What is web security ? Explain form-based servlet authentication. 5

4. What is implicit object in JSP ? Briefly explain all the implicit objects in JSP. 10

5. What is the need of a JDBC driver ? Explain the different types of JDBC drivers. 10

6. (a) Briefly explain servlet life cycle. 5

   (b) What is session management ? Briefly explain URL rewriting. 5

7. (a) Write a JSP program to display current date and time. 5

   (b) What is Java bean ? Explain its advantages. 5

8. (a) Differentiate between doGet() and doPost() methods of Java servlet. 5

   (b) Explain the Model-View-Controller (MVC) design pattern briefly. 5

9. (a) Write the code for JDBC connection in a JSP program. 5

   (a) What is exception ? Explain how exceptions are handled in JSP. 5

10. Write short notes on any *two* of the following with examples : 5+5

    (a)   Entity Bean

    (b)   Tomcat Server

    (c)   EJB

———