Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/B.TECH (CSE) (Separate Supple)/SEM-7/CS-703/2011

2011
VISUAL PROGRAMMING AND WEB TECHNOLOGY

Time Allotted : 3 Hours   *Full Marks* : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1.   Choose the correct alternatives for the following :

$10 \times 1 = 10$

    i)   The output of a dynamic web page is

        a)   HTTP   b)   HTML

        c)   Applet   d)   Active X control.

    ii)   Which of the following is not a browser object ?

        a)   Window   b)   Number

        c)   Navigator   d)   Document.

    iii)   Which of the following protocol is stateless in nature ?

        a)   FTP   b)   TCP

        c)   HTTP   d)   UUCP

SS-166   [Turn over

iv) Correct HTML for rendering external stylesheet is

    a)   <link rel="stylesheet" type="text/css"href="mystyle.css"/>

    b)   <style src=mystyle.css"/>

    c)   <style href="mystyle.css"/>

    d)   None of these

v) How do you add background colour for all <H1> elements in a web page ?

    a)   hl.all{bgcolor:blue}

    b)   all.h1{(background-color:blue}

    c)   h1{background-color:blue}

    d)   None of these.

vi) An MDI form should have only one child form

    a)   True

    b)   False

vii) To open a new window using javascript, you have to use

    a)   window.net ("Child Window");

    b)   window.open ("child window")

    c)   None of these.

viii) When a JSP page is compiled it is turned into

    a)   Applet   b)   Servlet

    c)   Application   d)   HTML

ix) Which of the following can not be used as scope of JSP ?

    a)   Application   b)   Session

    c)   Cookie   d)   Request.

x) EJB contains

    a)   unique interface   b)   two interfaces

    c)   four interfaces   d)   no interface.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. What is the advantage of using stylesheet in formatting elements of web pages in a website ? What are the different style sheets we can add to make a web page dynamic ?   2 + 3

3. Write a javascript code to detect all text fields which are left blank by a user while submitting an HTTP form. How do you modify the code if your button type is 'button' in spite of 'submit' ?   4 + 1

4. What is servlet ? What do you understand by servlet API ? Describe life cycle of a servlet.   1 + 1 + 3

5. What is the difference between Enabled property and Visible property of a menu control ? What are event procedure and function procedure ? Explain the significance of 'preserve' keyword.   2 + 2 + 1

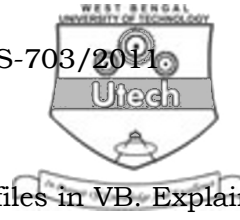6. What is the use of server side include ? How is a JSP program processed in the server ?   2 + 3

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. a) What is the difference between web and application server ? 3

   b) Give a brief comparison among JSP, ASP and CGI. 4

   c) What are snippets ? How will you access a bean within a JSP Page ? Explain with example. 1 + 3 + 4

8. a) What do you understand by JDBC-ODBC bridging ? Write a JSP program to store id, name, class and total marks of a student in database and retrieve all records by particular id. 3 + 5

   b) What do you understand by session and entity bean in EJB? How does EJB differ from Java Bean ? 2 + 2

   c) What do you mean by stub and skeleton in RMI ? Explain with example. 3

9. a) Write syntax for creating sequential files in VB. Explain how do you read the content from an existing file. 4 + 3

   b) What is MDI form ? Explain its significance. 4

   c) Briefly discuss the difference between Dynaset and Snapshot type recordset with example. 4

10. a) Why is VB "Event Driven" programming ? Write down the different types of control using VB. 2 + 3

   b) What is OLE ? What are the difference between variables and variants ? 2 + 2

   c) Write a program in VB to check whether an input string is palindrome or not. What is the use of option explicit keyword in VB ? 4 + 2

11. Write short notes on any three of the following :   3 × 5

    a)   X-Window system

    b)   Client and Server side scripting

    c)   J2EE Web services

    d)   Active X control in VB

    e)   Dynamic page creation technologies

————