



Name :

Roll No. :

Invigilator's Signature :

CS/B.TECH(CSE)/SEP.SUPPLE/SEM-7/CS-703/2012

2012

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) Which of the following is not in DHTML ?
 - a) HTML
 - b) AJAX
 - c) CSS
 - d) Java script.
 - ii) Which of the following technologies is not a part of J2EE architecture ?
 - a) JSP
 - b) Servlet
 - c) EJB
 - d) CORBA.
 - iii) The output of a dynamic web page is
 - a) HTTP
 - b) HTML
 - c) Applet
 - d) ActiveX control.
 - iv) What is Java scripts' default object ?
 - a) Navigator
 - b) Documents
 - c) Window
 - d) Browser.



- v) Which of the following controls in VB provides a set of choices to user ?
- a) Label b) Combo Box
- c) Timer d) Frame.
- vi) If an event occurs from a resource used in an application, then the message is
- a) WM_DESTROY b) WM_CREATE
- c) WM_COMMAND d) WM_PAINT.
- vii) To transfer the control between JSP pages the tag used is
- a) Scriptlet tag b) Action tag
- c) Page tag d) Expression tag.
- viii) RMI technology helps to access remote methods on
- a) same platform b) network platform
- c) different platform d) strut platform.
- ix) Active web pages are based on the concept of
- a) server push b) server pull
- c) client push d) client pull.
- x) Which of the following is true ?
- a) HTML works at server side
- b) Apache is an application server
- c) Tomcat is an Web Container
- d) CSS is used to validate data.



GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.

3 × 5 = 15

2. a) What do you mean by event driven programming ?
b) What is OLE in VB ? What are the differences between variables and variants in VB ? $2 + (1 + 2)$
3. Write the advantages and disadvantages of server push and client pull.
4. What is the need of using a stylesheet ? Discuss class selector & ID selector in CSS with proper example. $1 + 4$
5. a) Differentiate between MsgBox statement and MsgBox() function.
b) Explain the dynamic array creation in VB. What is the significance of 'Preserve' keyword ? $2 + (2 + 1)$
6. Write short notes on JNI and RMI architectures.

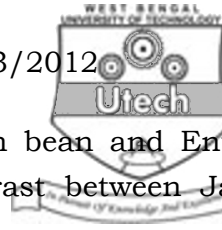
GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.

3 × 15 = 45

7. a) What are the uses of 'option explicit' and 'option implicit' keywords in VB ?
b) What do you understand by control array in VB ? How to create one ?
c) Example the difference between even procedure and function procedure in VB. Give examples.
d) Write a VB program to find the GCD of given two numbers using function procedure. $3 + 3 + 4 + 5$
8. a) What do you understand by JDBC-ODBC bridging ?
Write a JSP program to store the id, name and age of the employees in an organisation in MS Access database and retrieve and record by a particular id.



- b) What do you understand by Session bean and Entity bean in EJB ? Compare and contrast between Java Bean and EJB.
- c) What is RMI ? Why is RMI useful under modern computing environment ? $(1 + 4) + (2 + 3) + (1 + 4)$
9. a) How many types of Arrays are available in VB ? What is a dynamic array ? Explain the keyword Preserve and Redim. What is the difference between list box and combo box ?
- b) What is the difference between enabled and disabled property of a control ? Describe procedure in detail (Sub procedure, Function procedure and Property procedure).
- c) Write a VB program to accept a value from textbox and check whether number is prime or no-prime.
- $5 + 2 + 4 + 4$
10. a) What is JSP ?
- b) What is the difference between JSP and ASP ?
- c) Explain the lifecycle of JSP.
- d) What is a servlet ? Explain the life cycle of a servlet ?
- $2 + 4 + 4 + 5$
11. Write short notes on any *three* of the following : 3×5
- a) X-Windows systems
- b) Dynamic page creation technologies
- c) J2EE web services
- d) Client and Server side scripting
- e) JSP tags.

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