



Name :

Roll No. :

Invigilator's Signature :

**CS/B.Tech (IT)/SEM-7/IT-702/2009-10
2009
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 tools is used to generate the stubs and skeleton for a remote service ?
 - a) javac
 - b) rmic
 - c) java
 - d) rmiregistry.
 - ii) Which of the following should not be used to share data between servlet a distributed web application ?
 - a) attribute pf servlet context
 - b) enterprise java beans
 - c) attribute of HTTP session
 - d) database.



- iii) Which of the following technologies use XML files to relate relational database object ?
- a) JNI
 - b) EJB
 - c) JNDI
 - d) IDO.
- iv) The attribute of <form> tag is
- a) METHOD
 - b) ACTION
 - c) both (a) & (b)
 - d) none of these.
- v) Markup tags tells the web browser
- a) how to organize the page
 - b) how to display the page
 - c) how to display message box on the page
 - d) none of these.
- vi) http is a protocol.
- a) stateless
 - b) stateful
 - c) both stateless and stateful
 - d) none of these.
- vii) Variables are declared is Javascript using
- a) var
 - b) dim
 - c) function
 - d) variable.
- viii) Which of this following technologies is not a part of J2EE architecture ?
- a) JSP
 - b) Servlet
 - c) EJB
 - d) CORBA.
- ix) <http://www.yahoo.com/index.html> is an example of
- a) static web page
 - b) dynamic web page
 - c) active web page
 - d) none of these.
- x) Javascript's default object is
- a) navigator
 - b) documents
 - c) window
 - d) browser.



GROUP – B
(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

2. What is the need of using style sheet ? Discuss class selector & ID selector in CSS with proper example. 1 + 4

3. Briefly describe RMI architecture. 5

4. a) What is the importance of frames for representation of Web Pages ?

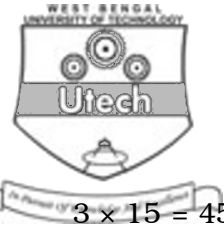
b) What is static web page ? What are its advantages ? 2 + 3

5. Write short notes on any *two* of the following : $2\frac{1}{2} + 2\frac{1}{2}$
 - a) www
 - b) frameset and form
 - c) web server
 - d) DHTML.

6. a) What is XML ?

b) What are the different rules of XML syntax ?

c) Write the differences between XML and HTML. 1 + 2 + 2



GROUP – C
(Long Answer Type Questions)

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

7. a) Describe applet life cycle ? 5
b) What is CGI ? What are the advantages of servlet over CGI ? 2 + 3
c) Describe servlet life-cycle. 5
8. a) Describe J2EE architecture. 7
b) What are the differences between servlet & JSP. 4
c) Write a servlet program which will return the current date & time. 4
9. a) What is the difference between Java and Javascript ? Explain different objects possible in Javascript. 2 + 3
b) What is the advantage of client-side scripting over server-side scripting ? 5
c) Write a javascript code to calculate factorial of a number. 5
10. a) Discuss between SAX and DOM parsing. 5
b) What is the difference between Java Beans and EJBs ? 5
c) Briefly describe JNI architecture. 5
11. a) What is web container ? Write a simple servlet program which will return the current data and time. 2 + 5
b) Explain cookies and sessions with proper examples. 4 + 4