	Utech
Name :	
Roll No.:	The transfer and trade of
Invigilator's Signature :	

## CS/M.TECH(IT-SE)/SEM-3/MSE-301/2011-12 2011 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.

Answer any five questions.

- 1. a) Why is HTML known as Hypertext Markup Language? 2
  - b) What are the advantages of Java Script over HTML? 3
  - c) Write a Java Script code that checks the elements entered in a text field and if value entered in lower case convert it to upper case.
  - d) Discuss about the HTML form tag.

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e) Is there any way to create a large number of text fields without dealing with different names for all of them? 2

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2.	a)	What happens if I define on key down and on key
		press?
	b)	Write a Java Script code that will check the entered
		e-mail id containing '@' or not.
	c)	Discuss about the window and history object of DOM.
	d)	Discuss about script tag of Java Script.
3.	a)	Discuss about 2-tier and 3-tier web architecture.
	b)	What is the difference between web server and
		application server?
	c)	Discuss about HttP request and response format.
	d)	Why is the initialization step required in servlet life
		cycle.
	e)	Write a servlet program that will keep track of how
		many times a user access it.
4.	a)	Why session tracking is required in development of a
		web application? Write a program that can remember
		the user name and password that you use for login so
		that you need not to enter (type) again from the next

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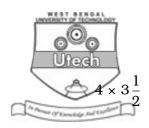
time.

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	b)	What is the difference between request dispatching & send redirect?	k 2
	c)	What are the different servlet parameter and attributes?	1 4
5.	a)	What do you mean by JDBC driver ? Discuss 4-type drivers.	
	b)	Why Java does not support multiple inheritance?	2
	c)	What do you mean by exception handling?	2
	d)	What are the advantages and disadvantages of JSP?	5
6.	a)	Discuss about JSP directives.	2
	b)	What is the difference between jsp-include and directive include?	e 3
	c)	Discuss about JSP life cycle.	4
	d)	Write a JSP code to show the use of <jsp :="" bean="" use=""></jsp>	4
	e)	What are the life cycle methods of JSP?	1
7.	a)	What is the use of XML?	3
	b)	Write AJAX code that displays the name of students in tables $\rightarrow$ students names are stored in an XML file.	1 7
	c)	Discuss about inter-thread communication with Java	a

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code.

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- 8. Write short notes on any four :
  - a) Servlet life cycle
  - b) DOM
  - c) XML Parsing
  - d) Deployment Descriptor
  - e) -jsp Service (..)
  - f) Java Script Array
  - g) SQL injection.

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