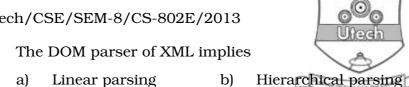
[Turn over

Nan	ne :				Utech				
Roll No.:									
Invi	gilato	r's Si	gnature :						
			CS/B.Tech/CS	E/SI	EM-8/CS-802E/2013				
2013									
		AD	VANCED JAVA PI	ROG	RAMMING				
Time Allotted: 3 Hours					Full Marks : 70				
		Th	e figures in the margin i	ndica	te full marks.				
Ca	ındida	ates o	are required to give their as far as pr		vers in their own words able.				
			GROUP -	A					
			(Multiple Choice Typ	pe Qu	estions)				
1.	8.								
					$10 \times 1 = 10$				
	i)	НТТ	TP is a						
		a)	Stateful protocol	b)	Stateless protocol				
		c)	both (a) & (b)	d)	none of these.				
	ii)	The	JSP tags are interpret	ed by					
		a)	JSP compiler	b)	JSP debugger				
		c)	JSP engines	d)	none of these.				
	iii)		ver Manager class is to	he m	ember of which of the				
				b)	iovov comlot				
		a)	java.util	b)	javax.servlet				
		c)	java.io	d)	java.sql				

8306

CS/B.Tech/CSE/SEM-8/CS-802E/2013

iv)



- both (a) & (b) d) none of these. c)
- v) Which of the following statements is false?
 - sub-element Any XML cannot be further subdivided
 - The term DTD is related to XML b)
 - XML document can include attributes also for a c) particular sub-element
 - d) XSL document can include some query representation based on the XML document.
- vi) Which of the following mentioned methods is first called during JSP life cycle?
 - jspInit() _jspService() a) b)
 - None of these. c) _jspDestroy() d)
- vii) JSP document is compiled into
 - **ASP** Servlet a) b)
 - **XML** d) JAXB. c)
- viii) What is the full form of IDL?
 - Internet Definition Language
 - b) Internet Domain Language
 - Definition Interface Language c)
 - d) Intranet Derivation Language.
- Which of the following tools is used to generate the stubs and skeletons for a remote service?
 - a) javac

b) jdk

XSL c)

d) rmic.

8306 2

CS/B.Tech/CSE/SEM-8/CS Which of the following methods is called first and X) once, when a new applet is first loaded? start b) paint c) d) stop. init **GROUP - B** (Short Answer Type Questions) Answer any three of the following. $3 \times 5 = 15$ 2. What do you mean by Servlet? What are the different steps involved in the Servlet life cycle? 2 + 3Briefly discuss the MVC architecture. What is the 3. advantages of 3-tier architecture over 2-tier architecture? 3 + 24. Discuss the main steps involved in the JSP life cycle. Compare the roles of JSP and Servlet. 3 + 25. What do you mean by JNDI? What is the significance of DTD in XML document? What is the full form of JAXB? 2 + 2 + 1What is JDBC? What are the different types of JDBC 6. Drivers that are available in java? 1 + 4**GROUP - C** (Long Answer Type Questions) Answer any *three* of the following. $3 \times 15 = 45$ 7. a) What is the difference between Servlets and CGI ? Explain. What are the static, dynamic and active web pages? 3 b) Explain the various tags available in JSP. 5 c) Discuss the role of doGet() and doPost() methods in d) 2 + 2short. 8306 3 [Turn over

CS/	B.Te	ch/CSE/SEM-8/CS-802E/2013				
8.	a)	What do you mean by XML? Are there any advantage	es			
		of using XML ? Explain.	3			
	b)	What is XSL? Compare the functionalities of SAX an	d			
		DOM parsers in XML?	3			
	c)	Write one example of an XML document with room	ot			
		element, sub-element as well as its attribute and als	Ю			
		indicate these items.	3			
	d)	Is there any difference between XML schema and XM	L			
		DTD ? Explain.	2			
9.	a)	What do you mean by EJB ? How is it different from				
		nomral Java Bean? 2 +	3			
	b)	Briefly discuss the different types of Beans that ar				
		available in EJB.	5			
	c)	Discuss some of the services of the EJB container.	5			
10.	a)	Explain the RMI procedure involving the different step	s			
		with a diagram.	5			
	b)	Discuss the different layers of RMI architecture.	5			
	c)	What do you mean by CORBA? Compare Java RMI an	d			
		CORBA. 2 +	3			
11.	Write short notes on any <i>three</i> of the following:					
	a)	J2EE <i>n</i> -tier architecture				
	b)	RMI registry				
	c)	JAXP and JAXB				
	d)	CORBA architecture				
	e)	COOKIES.				
	•					

4

8306