CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

Six Semester of B.Tech. Examination (CE/IT)

May 2014

CE 307/307.01 Advanced Java Programming

-	5.05.2014, Thursday Time: 10:00 a.m. To 01:00 p.m. Maximum Mark	13. /0
Instruc		
	question paper comprises of two sections.	
	ion I and II must be attempted in separate answer sheets.	
	e suitable assumptions and draw neat figures wherever required. of scientific calculator is allowed.	
T, OSC	or scientific calculator is allowed.	
	SECTION - I	
Q-1 () Do as Directed.	[08
	Differentiate between ServletContext and ServletConfig.	[02
	2 List out Java Standard Tag Library tags and show advantages of it.	[02
	3 What is role of stub in RMI?	[02
	4 Differentiate DDL and DML statements which are either performed by	[01
	executeQuery() or executeUpdate() in JDBC?	
	5 State True or False that in JDBC-ODBC bridge supports multiple concurrent open statements per connection.	[0]
(1	U.S. The Control of t	[02
Q-2 ([06
(1	[1]	[05
([04
241 = 1	or services:	104
Q-2 () Explain every phases of Servlet life cycle. Also compare with JSP life cycle.	[06
(1	What is JDBC Statement? Explain steps to get Database connection in a simple java program.	[05
(4)	Annual Control of the	[04
Q-3 (a	The statement of the st	[04
6-2 (j Elist and explain 151 action elements of action tags with example.	104
(1	Write a java client-server application in which	[06
	 A client reads a character from the keyboard and sends the character out of its socket to the server. 	
	ii) The server reads the characters from its connection socket.	
	iii) The server finds the ASCII values of the character.	
	iv) The server sends the ASCII value out of its connection socket to the client.	
	 v) The client reads the result from its socket and prints the result on its standard output device, 	
	OR	
(1	Perform following tasks using java socket	[06
	i) Find the IP address of website [Pass website name from command line].	- Indiana Control
	ii) Find the host name from IP address.	
	iii) Find the IP address of local machine.	
	my i me the ir address of local machine.	

		SECTION - II	
Q-4	(a)	Do as Directed Color and Directed Color of the Color of t	[08]
	1	What is marshalling and Unmarshaling in RMI?	[02]
	2	real and and show the importance of it,	[02]
	3	Create deployment descriptor which includes two servlet along with necessary	[02]
		elements. and well of an a of of some galaxies LA of 20.21 and	uCt.
	4	Which of the following methods can be used to get information about parameters applied to	[01]
		entire application?	
		A. ServletConfig.getParameter();	
		B. ServletContext.getAttributeNames();	
		C. ServletContext.getParameterNames();	
		D. ServletContext.getInitParameterNames();	
	5	By creating object ofwe can get all raw information of your database or table.	[01]
	(b)	Why should you use PreparedStatement in Java and What are the major advantages of	[02]
		using PreparedStatement?	
Q-5	(a)	What is xml? Which are the rules to follow strictly to create well-formed xml file?	[06]
		Create xml file of online Bookstore.	
	(b)	List out various java TCP socket along with necessary class and function which are	[05]
		used at client side and server side to set up reliable connection.	
	(c)	Give the step to send email using Gmail SMTP server.	[04]
		OR THE RESERVE THE PROPERTY OF	asyd.
Q-5	(a)	Explain J2EE design pattern	[06]
	(b)	List out various java UDP socket along with necessary class and function which are	[05]
		used at client side and server side.	
	(c)	Using Java Mail API send email along with one attachment which include simple	[04]
		document file.	
Q-6	(a)	Explain RMI Architecture.	[04]
	(b)	Create RMI application in which server invoke method which authenticate user by	[06]
		username and password.[Take username and password as "admin"]	3/1
		OR IIII TO THE PARTY OF THE PAR	
-	(b)	Create RMI application which perform basic arithmetic operation.	[06]
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