<b>Enrollment No:</b> _	Exam Seat No:		
	C. U. SHAH UNIVERSITY		

## Winter Examination-2022

**Subject Name: Programming with Java –II** 

Subject Code: 4CS04BJV2 Branch: B.C.A.

Semester: 4 Date: 19/09/2022 Time: 02:30 To 05:30 Marks: 70

## **Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q1	Attempt following MCQs.					14
	1) Skeleton is a side remote object.					
		a)	Client	b)	Server	
		c)	Both a and b	d)	None	
	2)	2) Which is Layout Manager in java?				
		a)	GridBag	b)	Border	
		c)	Card	d)	All of the above	
	3) JDK means					
		a)	Java Development Kit	b)	Java Design kit	
		c)	Java Download Kit	d)	Java Debugger Kit.	
	4) Which driver is know as thin driver?					
		a)	Type 1	b)	Type 3	
		c)	Type 2	d)	Type 4	
	5)	5) J2EE APIs are				
		a)	Servlet	b)	JSP	
		c)	JNDI	d)	All of the above	
	6)	6) Which tag is used to execute Java source code in JSP?				
		a)	Scriplet tag	b)	Expression tag	
		c)	Applet tag	d)	Declaration tag	
	7) getSession is a method of					
		a)	HttpReqeust	b)	HttpResponse	
		c)	HttpSession	d)	All of these	
	8)	Servlet Life cycle has methods				



		a)	1111( )		D)	destroy()	
		c)	service()		d)	All of the above	
	9) Which package is use for importing Swing components?						
	,	a)	java.swing	0 0	b) 1	java.awt	
		c)	javax.swing		d)	None	
	10)	Whicl	n is server side programn	ning langua	ge?		
	,	a)	Servlet		b)	PHP	
		c)	JSP		d)	All of the above	
	11) Which of the following is a business component in J2EE?						
		a)	Applet	b)	JSP		
		c)	Servlet	d)	EJB		
	12)	Amon	g the following which is	not a direct	tive?		
	,	a)	Page		b)	tag	
		c)	Export		d)	include	
	13)	Sessio	on created using				
		a)	HttpSession		b)	HttpServletRespor	ise
		c)	HTMLSession		d)	None	
	14)	RMI 1	neans				
		a)	Remote Memory Interf	face	b)	Random Method I	nvocation
		c)	Remote Method Invoca		d)	Remote Method In	vitation
Atten	npt an	y FOUR	Questions from follow	ing.			
Q2	Atte	mpt follo	owing.				14
	a) E	Explain F	lowLayout with example	e.			5
	b) What is Swing? Explain difference between Swing and AWT.					d AWT.	5
	c) What JLabel? Explain with example.						4
Q3	Attempt following.					14	
	a) V	Vrite a no	ote on enterprise architec	cture styles.			7
	b) What is JDBC? Explain various JDBC drivers in detail.					7	
Q4	Attempt following.					14	
	a) What is RMI? Write a note on RMI architecture.					7	
	b) E	Explain C	Connection and Statemen	t class in de	tail.		7
Q5	Atte	mpt follo	owing.				14
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	a) What is servlet? Explain servlet life cycle with diagram.						7



	b) Define JSP? Explain JSP life cycle with diagram.	7
Q6	Attempt following.	14
	<ul><li>a) Discuss J2EE API.</li><li>b) Differentiate: Servlet Vs. JSP.</li><li>c) Write a JDBC Program to insert a record in STUD (rollno, sname, addr, city)</li></ul>	5 5
	table.	4
Q7	Attempt following.	14
	<ul><li>a) Discuss jsp:include and jsp:forward action elements.</li><li>b) Explain HttpServletResponse class with any two methods.</li><li>c) Explain Session Tracking.</li></ul>	5 5 4
Q8	Attempt following.	14
	<ul> <li>a) Explain ResultSetMetaData &amp; DatabaseMetaData classes in detail.</li> <li>b) Write a JSP Program to display all records of STUDENT (studno, studname, a city, mobile) in Tabular format.</li> </ul>	7 addr 7



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