Enrol	lment	No:		Exam Seat N							
C.U.SHAH UNIVERSITY Winter Examination-2019											
Subje	ct Nan	ne : Pr	ogramming with Java								
Subject Code: 4CS05IJV1				Branch: B.Sc.I.T.							
Semes	ter : :	5	Date: 14/10/2019	Time : 02	2:30 To 05:30	Marks: 70					
(2) (3)	Use Instr Drav	uctions w neat	grammable calculator & any ot s written on main answer book diagrams and figures (if necess itable data if needed.	are strictly to	be obeyed.	nibited.					
Q1	Atter	npt fol	llowing MCQs.			14					
	1)	Full	form of JVM is								
	ŕ	a)	Java Virtual Machine	b)	Java Virtual M	Iechanisam					
		c)	Java value Machine	d)	None of thses	e					
	2)	Rool	lean data type has a value								
	2)	a)	true	b)	false						
		c)	A or B	d)	None of these						
	3)	a)	ch is default access specifiers in default	b)	public						
		c)	private	d)	protected						
		• ,	private	ω)	protected						
	4)	Whi	ch class not allows to create ob	ject in java?							
		a)	public	b)	abstract						
		c)	Object	d)	None of the al	oove.					
	5) Which type of variables values is not changed?										
	- /	a)	fixed	b)	final						
		c)	dynamic	d)	none of these						
	6) is used to derive a new class from old class.										
	0)	a)	Inheritance	b)	Dynamic initia	lization					
		c)	Package	d)	Constructor						
	7)	init(	) is a method ofcla	199							
	' )	a)	final	b)	Applet						
		c)	Thread	d)	Layout						
		,		,	-						





	8)		n event is used for check box in java?		T. F.						
		a) c)	CheckEvent MouseCheckEvent	b) d)	ItemEvent WindowEvent						
		C)	WousecheekEvent	u)	WindowEvent						
	9)		Layout is not available in java?								
		a)	GridLayout	b)	BringLayout						
		c)	FlowLayout	d)	BorderLayout						
	10) Which array facilitates dynamic column increasing?										
		a)	1D	b)	2D						
		c)	Jagged	d)	All of the above						
	11)	is light weight process.									
	/	a)	Applet	b)	Thread						
		c)	String	d)	None						
	12)	finally	keyword available in?								
	12)	a)	Exception Exception	b)	Class						
		c)	Method	d)	None of these						
	10)	*****		1.10							
	13)		of these Listener is used for TextFie ActionListener		Itam Listanan						
		a) c)	WindowListener	b) d)	ItemListener None						
		C)	Wildow Listellei	u)	rone						
	14)	Which	n of these method is used to draw arc								
		a)	defineArc()	b)	createArc()						
		c)	printArc( )	d)	drawArc()						
Atten	ıpt an	y FOUR	from following.								
Q2	Atte	mpt follo	owing.			14					
	a) V	What is ia	va? Explain features of java.			5					
	b) What is array? Explain jagged array with example.										
			perator?Explain Relational operators	-	ample.	4					
Q3	Attempt following.										
	<ul><li>a) What is class? How to create objects of class? Explain with example.</li><li>b) Explain Vector class with suitable example.</li></ul>										
		-	nal with suitable example.			5 4					
0.4	ŕ	-	-			14					
Q4	Attempt following.										
	a) Define Constructor ? Explain types of constructor with example.										
	b) Explain method overriding? Explain with suitable example.										
	c) I	Explain d	ecision making statement in java.			4					



Q5	Attempt following.	14						
	<ul><li>a) Explain Graphics class with example.</li><li>b) What is thread? Explain thread life cycle.</li><li>c) What is exception? Write a note on Exception.</li></ul>							
Q6	Attempt following.	14						
	<ul><li>a) What is applet? Explain applet life cycle.</li><li>b) What is inheritance? Explain types of inheritance.</li><li>c) Explain interface with suitable example.</li></ul>	5 5 4						
Q7	Attempt following.	14						
	<ul><li>a) Write a note on Button control with ActionEvent .</li><li>b) What is stream? Explain FileWriter class.</li><li>c) Define Menu. Explain JMenu, JMenuBar and JMenuItem class with example</li></ul>							
Q8	Attempt following.	14						
	<ul> <li>a) Write a java program to input empno, name in emp class. Derive salary class from emp with basic_salary, DA, TA, PF, Gross_Salary. Input data and also produced by using following equations with single inheritance.</li> <li>DA = basic_salary * 0.25</li> </ul>							
	TA = basic_salary * 0.10							
	PF = basic_salary * 0.05 Gross_salary = basic_Salary + DA + TA – PF	7						
	b) Write a program to find minimum number using applet. (Note: MIN is command button)							
	Enter no. 1 Enter no. 2  MIN  ANSWER							

