B.Tech. (Computer Science & Engineering) Third Semester (C.B.C.S.) Object Oriented Programming with Java

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P. Pages: 2 Time: Three Hours		I CRACK PER PUR BUR CARE	PSM/KW/23/2570 Max. Marks : 70
•	Notes	 All questions carry marks as indicated. Solve Question 1 OR Questions No. 2. Solve Question 3 OR Questions No. 4. Solve Question 5 OR Questions No. 6. Solve Question 7 OR Questions No. 8. Solve Question 9 OR Questions No. 10. Due credit will be given to neatness and adequate dimensional distriction. Assume suitable data whenever necessary. 	ons.
1.	a)	Write a menu driven program to execute the following options. i) Test whether the entered number is even or odd.	9
. •	b)	ii) To check whether the entered no is palindrome or not. Explain object oriented programming? How it is differed from proceed programming?	edure- oriented 5
		OR	٠.
2.	a)	What is a constructor? What are the rules of define a constructor? Exmultiple constructors using a suitable example.	xplain the usage of 7
	ъ)	State and justify the statement "JAVA is Platform Independent Lang	guage".
3.	a)	What is Command line arguments? Explain with example.	7
	b)	Write a program to calculate sum of array element using 1D Array.	7
		OR	
4.		Explain arrays and vector class in Java. What is the difference betweeter? Explain with example.	veen an array and a 14
5.	a)	What is Inheritance? Explain the types of Inheritance?	7
	b)	What is multilevel inheritance? Explain with simple example and rimplementation.	relate it with Java 7
		OR	
6.	a)	What is an exception in Java? Explain how is it handled in Java.	7
		What is the difference between an interface and class. With the hel program explain the purpose of interfaces in java.	lp of suitable java 7
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	b)					
8.		OR				
		Explain following thread methods with example.				
		i) getName () ii) sleep ()	14			
9.		iii) setName() iv) currentThread()				
		v) isAlive() vi) suspend()				
	a)	What is Collection Framework Explain with Diagram.				
	b)	Differentiate between Array And Collection.	7 7			
		OR	,			
10.	a)	Explain:				
		i) Iterator Interface.	7			
		ii) Collection Interface.				
		iii) List Interface.				
	b)	Explain The Set interface and its Classes.	7			
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