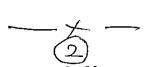
## SARDAR PATEL UNIVERSITY

Post Graduate Diploma in Computer Applications II Semester Examinations PGDCA-203 (Object Technology)

		!/10/2016 turday	Time: 10:00 am to 1:00 pm	Marks: 70	
Q-1		,	priate answer for the following questions	s: [08]	
	1 is an example of an object.				
		(a) Bird	•	10	
		(b) Book			
		(c) Boy			
		(d) All of th	ese		
	2.	Ternary link a	ssociates entities simultaneously.		
		(a) 1			
		(b) 2			
		(c) 3			
		(d) Many			
	3.		sused to visualize the complex process and to		
			unication between users.		
		(a) Prograi	m · · · · · · · · · · · · · · · · · · ·		
		(b) Model			
		(c) Users	£ 4b		
	4	(d) None o			
	4.		so known as data about data.		
		(a) Big dat (b) Coded			
		(c) Key da			
		(d) Metada			
	5.	Java uses			
	Ų.	(a) A comp			
		(b) An inter			
	÷		mpiler and interpreter		
		(d) None o	•		
	6.	, ,	special method of a class in java that initialize	es an	
		object of that	-		
		(a) Class o	definition		
		(b) Constru	uctor		
		(c) Object			
		(d) None o	of these		
	7.	JVM stands for	or		
		(a) Java va	ariable method		
		(b) Justin t	time virtual machine		
		. ,	ılid machine		
		* *	rtual machine		
	8.		ccess modifier in java.		
		(a) Private			
		(b) Protect	ted		

(c) Public(d) All of these

Q-2	Answer the following questions (ANY SEVEN)  1. Define inheritance. Also list two advantages of inheritance.				
	2. What is a class? Explain in brief by giving an example.				
	<ol> <li>Define compulsory multiplicity with an example.</li> <li>Define motivation as a key success factor for object technology.</li> </ol>				
·	5. What is a role name? Give an example.				
	<ul><li>6. Explain if control statement in java.</li><li>7. Define private class in java. Also give its use.</li></ul>				
	8. What is an exception? Give examples of two exceptions that occur in java.  9. Define inputStream and outputStream in java.				
Q-3[A]	Define and discuss: (i) encapsulation and (ii) polymorphism with examples.	[06]			
[B]	Find key concepts and key mechanisms in a typical inventory management system managing inventory of mobile and mobile accessories.	[06]			
	OR	[06]			
[B]	Find key concepts and key mechanisms in typical employee attendance system.	[oo]			
Q-4[A]	What is model? Discuss advantages of using models in detail.  What is generalization? Explain generalization in the area of books (in a library) by giving diagram.				
[B]					
	OR				
[B]	What is propagation of an operation? Explain the unidirectional property of propagation of an operation by giving its class diagram.				
Q-5[A]	Describe features of java programming language in detail.	[06]			
[B]	Explain structure of typical java program.	[06]			
	OR				
[B]	Write a java program that defines an array of 10 integers and print it in a reserve manner.				
Q-6[A]	Write a parameterized constructor of a Book class with all parameters such as book code, book name, authors, publisher, and price.				
[B]	Define: (i) applet, (ii) extends, and (iii) new in java programming language.  OR	[06]			
[B]	Define thread. List two applications of the thread. Also list two methods of implementing threads in java.	[06]			



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