R13 Code No: 114CX JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech II Year II Semester Examinations, October/November - 2016 JAVA PROGRAMMING (Common to CSE, IT)

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	(Common to CSE, 11)		
Time:	3 Hours Max.	Marks: 75	*** ****
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Note:	This question paper contains two parts A and B.		2.0.8 5 5
	Part A is compulsory which carries 25 marks. Answer all questions in F		
	Part B consists of 5 Units. Answer any one full question from	each unit.	
	Each question carries 10 marks and may have a, b, c as sub questions.		
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	PART- A		
		25 Marks)	
1.a)	Define polymorphism.	[2]	
b)	Why is Java known as platform independent?	[3]	
c)	Differentiate between abstract class and interface.	[2]	
,, .d.)	How to create and access a package?	.[3]	
e)	List the thread states.	:[2]	
f)	What keywords are essential in handling user-defined exception?	[3]	
g)	What is the use of String Tokenizer class?	[2]	
h)	Write about the random access file operations.	[3]	
i)	What are the merits of swing components over AWT?	[2]	
j).	What is an adapter class? What is its significance? List the adapter class	ses, [3]	
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	PART-B		
		50 Marks)	
2.	What are the drawbacks of procedural languages? Explain the need		
	oriented programming with suitable program.	[10]	
	OR OR		
`~3.a)	Does Java support multi way selection statement? Justify your answer.		
b)	Describe type promotion rules of Java.	[5+5]	
4.a)	Explain multilevel inheritance with the help of abstract class in your pro	the second se	
b)	Can inheritance be applied between interfaces? Justify your answer.	[5+5]	*** ****
	OR OR	**************************************	· · · · · · · · · · · · · · · · · · ·
5.a)	What is meant by dynamic method dispatch? Explain with a program.	[5 . 5]	
b)	Illustrate the use of static nested classes.	[5+5]	
1	What is an expection? How are executions handled in Java pro	aromming?	
6.	What is an exception? How are exceptions handled in Java program	[10]	
•••× ×•×• • × • • * • • •	Explain with suitable program.		*** **** * * * * * * * *
** i *. 7	Describe the need of thread synchronization. How is it achieve	d in Iava	100° Å 15
7.	programming? Explain with a suitable program.	[10]	
	programming: Explain with a suitable program.		
			·×• •ו·
× × × × × × × × × × × × × × × × × × ×			
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	:::[8;ā]) * b)	Differentiate betwee List the methods of	Stack class.	R		[5+5]						
	9.	tuple to the user. For roll number. Is Applet more secu	or example, displa	n program a from the	tte in a table and dis details of the studen ? Justify your answe student for admissi	t given his/her [10]						
		Write <u>a program</u> functionality.	O to demonstrate		keyboard events	with suitable						
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	ER	C.R		OR.		SR						