## AG AG AG AG AG AG AG A

	· · · · · ·	2 ) Mariana	The Annual Control of	/
C	ode No: 133BM	D1		
•		R1	D	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSIT	Y HYDERA	ABAD	
$-\Lambda$	B.Tech II Year I Semester Examinations, November/Dec	ember - 201	8	
	OBJECT ORIENTED PROGRAMMING THROUG	H JĄVĄ		
Ti	me: 3 Hours (Common to CSE, IT)	$-/\sim$		/
		Max. Ma	rks: 75	/
No	te: This question paper contains two parts A and B.			
	Fart A IS compulsory which carries 25 marks. A paragraph			
	The Company of D. Chillis, Alliswer and one full annual con-	is in Part A.		
$\wedge$	carries 10 marks and may have a, b, c as sub questions.	each unit. E	ach question	
/A( 1	A Company to state questions.	$A \nearrow $	$\Lambda$	,
/ A Sand	ACT PARTIA ACT	$\Delta$	$A(\tau)$	/
1a)	What is inharitance? C:	$\sim$ $\sim$ $\sim$	25 Marks)	
b)		,	[2]	
c)			[3]	
. d)	What is Console class? What is its use in java?		[2]	
_ ∧e)́	What is the use of auto boxing in java? Explain. What is thread based preemptive multitasking?		[3]	
<b>/ − f</b> )	How do we set priorities for threads?	A	[2] ^ _	۸
/ \ <u></u> g)	What is a Java Priority queue?	$A \subset A$	[3]	$\perp$
h)	What is a Collection Class? Give an example.	A American	[2]	1
i)	What is Swing in Java? How it differs from Applet.	호	[3]	
j)	How do applets differ from application program?	। ल	[2]	
	Trans application program?	믕	[3]	
A -	A PART-B	<del>-</del>		
$\Delta (=$		IA /	A 25%	A
/ \_2ia)	Describe the structure of a typical Java program with an example.	<u> </u>	Marks)	
b)	Write the significance of Java Virtual Machine.	/ <u> </u>	/ / //	/
	OR	\ \{\bar{\}}	[5+5]	
3.a)	How do we implement polymorphism in IAVA2 Explain hair of	<b>\S</b>		
b)	What is an array? How do you declare the array in java? Give example of the control of the contr		r	
A Journey			[5+5]	
$\frac{4\cdot a}{}$	How to design and implement an interface in Java? Give an example		A 2005	2
′ \ <b>\</b> _∫b)	Give an example where interface can be used to support multiple in		$\triangle \triangle \triangle$	$-\Delta$
<i>~</i> \	nν	remance.	[5/5]\	/**
5.a)	What are the methods available in the Character Streams? Discuss.			
b)	Distinguish between Byte Stream Classes and Character Stream Classes	cec	[5.1.5]	
<i>(</i>		303.	[5+5]	
6.a)	What is an Exception? How is an Exception handled in JAVA?			
$\triangle \bigcirc b$	Write a java program that illustrates the application of multiple catch	<b>Statements</b>	[5+5]	
7.a)				Λ
7.a)	Differentiate between multiprocessing and multithreading. Wh	at is to be	done to	January.
<b>b</b> )	implement tilese in a program?		done to	
0)	Write a program that creates two threads. Fist thread prints the numb	ers		
from 1 to 100 and the other thread prints the numbers from 100 to 1. [5+5]				
A James	A govern		<u>j</u>	
$\Delta \cap \Delta$	ACAAA AA AA .	A /	A Section	۵
	A = 1A $= 1$ A $= 1$ A	$\Delta$ ( $\dot{\gamma}$	$\Delta (1)$	$\Lambda$

## What are similarities and difference between ArrayList and Vector? Explain. 8. a) What is different between Iterator and ListIterator? Explain different ways to iterate over a b) list. OR. What are the best/practices related to Java Collections Framework? Discuss. 9.a) What is Comparable and Comparator interface? Differentiate between them. What is the difference between init() and start () methods in an Applet? When will each 10.a) be executed? Write the applets to draw the Cube and Circle shapes. b) Explain various layout managers in JAVA. Write a program to create a frame window that responds to mouse clicks

(