Seat No.: 3

AK-106

April-2023

BCA., Sem.-IV

CC-210: Core JAVA

	Time:	2:30 Hours] [Max. Marks	s : 7 0			
			7			
1	1. (4	A) Differentiate between Java and C++.	n			
	(1	3) What are classes and objects in Java? Explain the process of garbage collection in Java.	7			
0		OR	7			
	(/	A) List and explain features of Java.				
	(I	(B) What is a method? Why methods are used in Java programing? Explain concept of method giving suitable example.				
2	(4	What is an interface? Differentiate between interface and abstract class.	7			
2	 (A) What is an interface? Differentiate between interface area. (B) Define array. How to declare array in Java? Explain the different types of array supported in Java. 					
		OR C. Y.T				
	(A	main method static in Java?	(18 <u>0</u> 2			
	(B)	a F. It's the use of 'copper' keyword giving suitable example.	7			
3.	(A)	What is a package? How are they created and used? Discuss: Java.lang package.	7			
	(B)	What is exception? Explain exception handling mechanism.	7			
OR						
-	(A)	What is wrapper class? Explain any two wrapper classes.	7			
	(B)	List methods of String class. Explain any three methods in detail.	7			
4.	(A)	What is a Thread? Explain different states of Thread.	7			
1015	(B)	What is Thread priority? Explain the concept giving suitable example.	7			
		OR				
	(A)	Discuss: Life cycle of an applet.	7			
	(B)	Discuss : Applet tag in detail.	7			
AK-1	106	1 P.T	.0.			

At	Attempt any 7:						
(i)	W	hich method is use	ed to find out that	t a thread is still running or not ?			
(ii)		What is the base class in Java from which all classes are derived?					
(iii) W	hich keyword is us	sed to prevent inh	neritance?			
(iv	9	DO VERNOUS VERNES		current object. [True/False]			
(v)	Pr	Protected access specification allows access to all classes in the same packag and sub-classes in any package. [True/False]					
(vi		Experience of the Control of the Con					
	(vii) Which of these cannot be used as variable name in Java?						
100	(a)	keywords					
	(b)						
	(c)	S 5211 62 741 - NW 70	and identifiers				
	(d)						
(vii	` '	nat will be the outp		g code ?			
•		ss test {					
	public static void main(String args[])						
		{	The control of the co				
		int $g = 3$;					
			t.print(++g * 8);				
		}					
	}						
	(a)	32	(b)	33			
	(c)	24	(d)	25			
(ix)	Whi	ch method is used	to perform some a	action when the object is to be destroyed?			
. ,	(a)	delete()	(b)	main()			
	(c)	finalize()	(d)	None of the above			
(x)		method retu	rns the current	capacity of the storage available for			
(-)	characters in the buffer.						
	(a)	charAt()	(b)	length()			
	(c)	append()	(d)	capacity()			
(xi)	is the base class of all Exception classes.						
	(a)	Throwable	(b)	RuntimeException			
	(c)	IOException	(d)	None of the above			
(xii)	_	method is ca	lled each time	an AWT-based applet's output must be			
		awn.					
	(a)	repaint()	(b)	paint()			
	(c)	update()	(d)	All of the above			