Seat No.	:	

P.T.O.

## **AK-106**

April-2023

## BCA., Sem.-IV

CC-210: Core JAVA

Time: 2:30 Hours]		[Max. Marks : '	[Max. Marks: 70	
1.	(A)	Differentiate between Java and C++.	7	
	(B)	What are classes and objects in Java? Explain the process of garbage collection in Java.	7	
		OR		
	(A)	List and explain features of Java.	7	
	(B)	What is a method? Why methods are used in Java programing? Explain the concept of method giving suitable example.	7	
2.	(A)	What is an interface ? Differentiate between interface and abstract class.	7	
	(B)	Define array. How to declare array in Java? Explain the different types of arrays supported in Java.	7	
		OR		
	(A)	What are static methods? Can the static methods be overridden? Why is the main method static in Java?	7	
	(B)	What is inheritance? Explain the use of 'super' 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	
	(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	

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(b)

(d)

paint()

All of the above

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repaint()

update()

(a)

(c)