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## **AA-101**

## April-2019

## BCA, Sem.-IV

CC-210: Core Java

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Time: 2:30 Hours] [Max. Man							0
1.	(A)	Write	e the f	following :			
		(i)	Expl	ain the principles of Object-O	riente	d Programming Languages.	7
		(ii)	Write	e a short note on :			
			(A)	Types of Operators			4
			(B)	Method Overloading			3
				OR			
		(i)	Whic	ch Java features replace C++ i	in mos	at of the application development?	7
		(ii)	Write	e a short note on :			
			(A)	Importance of JVM.			4
			(B)	Constructor and its types.			3
	(B)	Do a	s Dire	cted. (any four out of six)			4
		(i)	Whic	ch of the following is not an o	bject-	oriented language ?	
			(A)	Simula	(B)	Java	
			(C)	C	(D)	C++	
		(ii)	Whic	ch command is used to interpr	et a Ja	ava program file ?	
			(A)	java	(B)	javac	
			(C)	javap	(D)	javadoc	
		(iii)	Which property from the following is correct for constructors?				
			(A)	can not be inherited			
			(B)	an <init> method implicitly</init>	create	d	
	7		(C)	Default is inbulit			
			(D)	All of the above			
		(iv)	Whic	ch of these statement is valid '	?		
			(A)	short $s1 = 143$ ;	(B)	int $jl = '3'$ ;	

(D) float fl = 4.3;

P.T.O.

(C) double dl = 6.3;

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		(v)	To p	erform bitwise ORing,	_ ope	erator is used in Java.			
			(A)	&	(B)	!			
			(C)	~	(D)				
		(vi)	Whic	ch of the following is true for o	class p	product ?			
			(A)	new product()					
			(B)	new product(product s)					
			(C)	new product(int pno, String p	oname	e)			
			(D)	All of the above					
2.	(A)	Write	the f	following:					
		(i)		tiple values can be passed to ain with suitable examples.	and 1	returned from method using array."	7		
		(ii)	Write	e a short note on:					
			(A)	Interface extending			4		
			(B)	Method Overriding			3		
				OR					
		(i)	Wha	What is inheritance? What are its types?					
		(ii)	Write	e a short note on:					
			(A)	Difference between Abstract	class	and Interface	4		
			(B)	Command-line arguments			3		
	(B)	Do as		Directed. (any four out of six)					
		(1)		Which statement from the following is correct?					
				(A) int m[][] = new int [5] [5];					
			(B) int [] m [] = new int [5] [5];						
				int [] [] = new int [5, 5];					
			(D)	None of the above		1			
		(ii)		_ variables and methods are a					
			(A)	only static	(B)	only non-static			
	X	(:::)	(C)	static and non-static both	(D)	static, non-static, final, abstract			
		(111)	class		allov	vs deriving members from another			
			(A)	extends	(B)	implements			
			(C)	derives	(D)	inherits			

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		(iv)	Child	d class method hides executi	on of	parent class method is an example		
			(A)	overloading	(B)	loadingover		
			(C)	overbiding	(D)	overriding		
		(v)		does not permit parent cl	ass me	embers to be used further into child		
			class	es.			1	
			(A)	super	(B)	this		
			(C)	final	(D)	Final		
		(vi)	_	inheritance for classes is r	not ava	ilable in Java.		
			(A)	simple	(B)	multiple		
			(C)	unique	(D)	hybrid		
3.	(A)	Write	e the f	ollowing:				
		(i)	447744	v Access Protection chart. Exemple.	xplain	its use inside and outside package	7	
		(ii)	Wha	t is multi-catch in exception h	nandlir	g? Explain with example.	7	
				OR				
		(i)	Wha	t is wrapper class? Explain a	ny two	with suitable examples.	7	
		(ii)	Expl	ain user defined exception wi	th exa	mple.	7	
	(B)	Do as	s Dire	cted. (any three out of five)			3	
		(i)	must be included at the top of every java source file.					
			(A)	import	(B)	impact		
			(C)	inherit	(D)	package		
		(ii)	Wha	t is the result of compiling the	e follo	wing code: package pkgl .pkg2;		
			(A)	compile time error	(B)	runtime error		
			(C)	compile but no execution	(D)	compile and execution		
		(iii)		is the immediate parent cl	ass of	all exceptions in Java.		
		A	(A)	Exception	(B)	Throwable		
			(C)	Throw	(D)	Catch		
		(iv)			nethod	I that does not catch the exception it		
			throv					
			(A)	throw	(B)	throws		
7		(1) 10 (1) 10	(C)	finally	(D)	new		
		(v)		ch of the following statement				
			(A)	z = x/0;	(B)	int $a[] = new int[5]; a[5]=5;$		
			(C)	$a= 10; try{ a = 20;}$	(D)	None of the above		

(A)	A) Write the following:								
	(i)	Which are the two ways of creating threads? Explain with examples.							
	(ii)	List methods of Graphics class in applet and explain any two with an example.							
				OR					
	(i)	How time	n - The new properties of the second properties and the second of the se	ultithreading co	ncept to reduce overall execution				
	(ii)	ii) Draw Applet Life cycle and explain with suitable example.							
(B)	Do a	s Dire	ected. (any three out	of five)					
	(i)	Whi	ch package contains	all methods and	l variables of multithreading?				
		(A)	java.thread	(B)	java.lang				
		(C)	java.Object	(D)	Java-package				
	(ii)	(ii) Once a thread is created, it enters into state.							
		(A)	Ready	(B)	Running				
		(C)	New	(D)	Run				
(iii) has same values for starting and					nding co-ordinates.				
		(A)	Polygon	(B)	Polyline				
		(C)	Polyrectangle	(D)	Ploycircle				
	(iv)	<u> </u>	is the method of	an applet.					
		(A)	init()	(B)	display()				
		(C)	execute()	(D)	None of the above				
	(v)	class has methods to draw graphical symbols on the applet.							
		(A)	Drawing	(B)	Graph				
		(C)	Graphics	(D)	Image				

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