Seat No. :	

AA-101

April-2019

BCA, Sem.-IV

CC-210: Core Java

Time: 2:30 Hours]						[Max. Marks	: 70			
1.	(A)	Writ	e the t	following:						
		(i)	Exp	lain the principles of Ob	ject-Oriente	d Programming Languages.	7			
		(ii)	Write a short note on:							
			(A)	Types of Operators			4			
			(B)	Method Overloading			3			
				•	OR					
		(i)	Whi	ch Java features replace	C++ in mos	et of the application development?	7			
		(ii)	Writ	te a short note on:						
			(A)	Importance of JVM.			4			
			(B)	Constructor and its type	pes.		3			
(B)		Do a	Do as Directed. (any four out of six)							
		(i)	Whi	ch of the following is no	ot an object-	oriented language ?				
			(A)	Simula	(B)	Java				
			(C)	C	(D)	C++				
		(ii)	(ii) Which command is used to interpret a Java program file?							
			(A)	java	(B)	javac				
			(C)	javap	(D)	javadoc				
		(iii)								
			(A)	can not be inherited						
			(B)	an <init> method imp</init>	licitly create	d				
			(C)	Default is inbulit						
			(D)	All of the above						
		(iv)	Whi	ch of these statement is	valid?					
			(A)	short $s1 = 143$;	(B)	int $jl = '3'$;				
. .	101		(C)	double $dl = 6.3$;	(D)	float $fl = 4.3$;	т О			
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			(C)	derives	(D)	inherits	
			(A)	extends	(B)	implements	
		(iii)	Whice class	9	l allov	vs deriving members from another	
			(C)	static and non-static both	(D)	static, non-static, final, abstract	
			(A)	only static	(B)	only non-static	
	(ii)variables and methods are allowed in static method.						
			(D)	None of the above			
			(C)	int [] = new int [5, 5];			
			(B)	int [] m [] = new int [5] [5]	;		
			(A)	int m[][] = new int [5] [5];			
	(i) Which statement from the following is correct?						
	(B)	Do as	` /	ected. (any four out of six)			4
			(B)	Command-line arguments	, -1400		3
		(**)	(A)	Difference between Abstract	t class	and Interface	4
		(ii) Write a short note on:					
		(i)	Wha	t is inheritance? What are its	types	?	7
			(1)	OR			J
			(A) (B)	Method Overriding			3
		(ii)	(A)	Interface extending			4
		(ii)	•	ain with suitable examples. e a short note on:		A CO	7
	, ,	(i)			and	returned from method using array."	
2. (A)		Write	e the f	following:			
			(D)	All of the above			
			(C)	new product(int pno, String	pname	e)	
			(B)	new product(product s)			
			(A)	new product()			
		(vi)	Whic	ch of the following is true for	class 1	oroduct?	
			(C)	~	(D)		
		(v)	(A)	&	— орс (В)	!	
		(v)	To n	erform bitwise ORing,	one	erator is used in Java.	

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		(1V)	Child class method hides execution of parent class method is an example of						
			(A)	overloading	(B)	loadingover			
			(C)	overbiding	(D)	overriding			
		(v) does not permit parent class members to be used further in							
			class	ses.					
			(A)	super	(B)	this			
			(C)	final	(D)	Final			
		(vi)		inheritance for classes is	not ava	nilable in Java.			
			(A)	simple	(B)	multiple			
			(C)	unique	(D)	hybrid			
3.	(A)	Write		following:					
		(i)		v Access Protection chart. E example.	xplain	its use inside and outside package	7		
		(ii)	Wha	t is multi-catch in exception	handlir	ng? Explain with example.	7		
				OR					
		(i)	What is wrapper class? Explain any two with suitable examples. 7						
		(ii)	Expl	ain user defined exception w	ith exa	mple.	7		
	(B)	Do as Directed. (any three out of five)							
		(i)		must be included at the to	p of ev	very java source file.			
			(A)	import	(B)	impact			
			(C)	inherit	(D)	package			
		(ii) What is the result of compiling the following code: package pkgl .pl							
			(A)	compile time error	(B)	runtime error			
			(C)	compile but no execution	(D)	compile and execution			
		(iii)	all exceptions in Java.						
			(A)	Exception	(B)	Throwable			
			(C)	Throw	(D)	Catch			
		(iv)	throv		method	d that does not catch the exception it			
			(A)	throw	(B)	throws			
			(C)	finally	(D)	new			
		(v)	` ′	ch of the following statement	` /				
		(1)	(A)	_		int a[] = new int[5];a[5]=5;			
			` /	$a = 10$; try{ $a = 20$;}		None of the above			
			(0)	a 10, ay (a 20,)	(1)	Tions of the above			

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4.	(A)	Write the following:								
		(i)	Which are the two ways of creating threads? Explain with examples.							
		(ii)		methods of Graphe.	aphics class i	n ap	plet and explain any two with an	7		
		OR								
		(i)	How time	-	multithreadin	ıg co	ncept to reduce overall execution	7		
		(ii)	Drav	w Applet Life cy	cle and explain	n with	n suitable example.	7		
	(B)	Do a	s Dire	ected. (any three	out of five)			3		
		(i)	Whi	ch package conta	nins all method	ls and	l variables of multithreading?			
			(A)	java.thread		(B)	java.lang			
			(C)	java.Object		(D)	Java-package			
		(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 ending co-ordinates.									
			(A)	Polygon		(B)	Polyline			
			(C)	Polyrectangle		(D)	Ploycircle			
		(iv)		is the method	d of an applet.					
			(A)	init()		(B)	display()			
			(C)	execute()		(D)	None of the above			
		(v)		class has met	thods to draw	graph	ical symbols on the applet.			
			(A)	Drawing		(B)	Graph			
			(C)	Graphics		(D)	Image			
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