C 62067	(Pages: 3)	Name

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FOURTH SEMESTER B.C.A. DEGREE EXAMINATION, MAY 2014

(UG-CCSS)

Core Course

CA 4B 05—PROGRAMMING IN JAVA

Time: Three Hours	Maximum: 30 Weightage
I. Answer all twelve questions:	
1 is created during comp	ilation of Java program.
(a) Intermediate code.	(b) Byte Code.
(c) Dynamic code.	(d) None of the above.
2 In a class, global variables are de	eclared using the keyword
3 defines only abstract m	nethods and final fields.
(a) Interface.	(b) Class.
(c) Constructor.	(d) None of the above.
4 In Java, exceptions are the sub-c	classes of the built-in class
5 is the process by which class.	objects of one class acquire the properties of objects of another
(a) Abstraction.	(b) Inheritance.
(c) Encapsulation.	(d) Polymorphism.
6 The function called by itself is ca	alled
(a) Static function.	(b) Public function.
(c) Recursive function.	(d) Function overloading.
	encountered inside a loop, the loop is immediately exited and statement immediately following the loop.
(a) Continue.	(b) Break.
(c) Switch.	(d) Return.
8occurs when two threads	have a circular dependency on a pair of synchronized objects.
(a) Synchronization.	(b) Deadlock.
(c) Wait for.	(d) None of the above.

Turn over

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 $(5 \times 2 = 10 \text{ weightage})$

9 A	is a display monitor's s	smallest unit of resolution.	
		ock the execution of the thread unfil fu	ırther order
	leep 0.	(b) Suspend ().	<i>#</i> 1 4.1
	Vait 0.	(d) Stop ().	
11 The	method of an applet	is called only once in a applet's life-cyc	cle.
		et code identifies the name of the Java	
(a) Co		(b) Param.	•
(c) Va	alue.	(d) None of the above.	
		(12	$x^{-1}/_4 = 3$ weightage)
II. Short answer	type questions. Answer a	<i>all</i> nine questions:	
13 What are	the different types of Jav	va programs ?	
14 Write a sl	hort note on identifiers in	n Java.	
15 What do	you mean by instantiating	g an object? How it is done in Java?	
16 What are	the uses of the keyword	super in Java, with example?	
17 What is <i>j</i>	finally block? When and h	now it is used?	
18 What is th	he difference Java Beans	and Servlets?	
19 What is so	cope of variable?		
20 Differenti	iate local and remote appl	lets.	
21 What is the	he usage of this keyword	in Java ?	
			x 1 = 9 weightage)
III. Short Essay o	or Pagagraph questions. A	nswer any five questions:	
22 Compare	and contrast the concepts	s call-by-value and call-by-reference wi	th examples.
		ogram to show an implementation of p	_
24 When do v	we declare a field or a met	thod or a class as final?	
25 How are s methods ?	static members different fro?	rom normal members? What are the re-	strictions for static
26 What is an	n event? Write short note	es on event handling mechanism.	
27 Why do w	e use wait°, notify() and n	notifyall() methods in Java ?	
28 What is a	stream? How is the conc	cept of streams used in Java?	

- IV. Essay Questions. Answer any two questions:
 - 29 What is multithreading? How do you handle it in Java? Explain the different ways of creating thread with example.
 - 30 Define Interface. Compare and contrast class and interface. Explain in detail the implementation of interface. Write a program to create two interfaces namely *date* and *time*. Then create class *client*, which implement two interfaces.
 - 31 List out the *String operations* with example.

(2 X 4 = 8 weightage)