

BRAINWARE UNIVERSITY

Course - BAMW

JAVA (BMW302A)

(Semester - 3)

Time allotted: 3 Hours Full Marks: 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group -A

	(Multiple Choice	ce Type Questions)	$10 \times 1 = 10$	
1. (i)	Choose the correct alternative from the The variables declared in class are called			
	a. reference variable	b.object		
	c. instance variable	d. none of theese.		
(ii)	The implicit return type of a constructor is			
	a.void	b. a class object in which it	is defined.	
	c.double	d. none of these		
(iii)	The main method should be static for the reason			
	a.it can be accessed easily by the class loader	b.it can be accessed by every method or variable without any hindrance.		
	c.it can be executed without creating any instance of the class	d. none of these.		
(iv)	What is the default constructor of the class public class Test { }?			
	a. public Test(void)	b. public void Test()		
	c.Test()	d. public Test()		
(v)	Which is not a valid statement based on given code?			
	a.A a = new A();	b.B a = new B();		
	c.A a = new B();	d.B b = new B();		

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(vi)	A class can extend				
	a. a single class	b. multiple classes			
	c. exactly two classes	d. none of these.			
(vii)	We can not instantiate				
	a. a class	b. an Interface			
	c. an abstract class and an interface	d. a class and an abstract class			
(viii	Which of the following tool used to execute java code?				
	a.Javac	b.Applet			
	c.Java	d.Rmic			
(ix)	Single line comment starts with	in Java.			
	a.//	b./**			
	c./*	d. none of these			
(x)	ActionPerformed method has single parameter of				
	a. actionPerformed class	b. actionEvent class			
	c. actionHappend class	d. none of these			
	Gı	roup – B			
(Short Answer Type Questions)			$3 \times 5 = 15$		
Ansv 2.	wer any <i>three</i> from the following What is package? What is the relationsh	nip between classpath and	[3+2]		
3.	package? What is access modifier? Discuss about the access modifier of Java with				
1	respect to a class.	of a civan number	[2+3]		
4. 5.	Write a Java program to print factorial of Write Java code to print the summation	_	[5]		
	TextFields and Buttons.	_	[5]		
6.	Discuss about the difference between st	atic and non-static class methods.	[5]		

Group-C

		(Long Answer Type Questions)	$3 \times 15 = 45$
		ny three from the following	
7.	(a)	Give examples of interface methods for adding two integers and	
		concatenating two strings.	[5]
	(b)	Hence, write a program for getting an object of interface through	
		implementation of a class.	[10]
8.	(a)	How can we declare an Event handler for a button?	[5]
	(b)	Write proper Java code to exemplify your answer.	[10]
9.	(a)	At any time, a thread is said to be in one of several thread states.	
		Discuss the different states of Thread life cycle with proper	
		pictorial presentation.	[8]
	(b)	What is constructor? Explain its utility. Can there be a constructor	2 3
	()	in abstract class. Justify.	[7]
10.		What is multilevel inheritance? Write java code to exemplify	[,]
10.		multilevel inheritance with class.	[3+12]
11.	(a)	Write suitable java code to exemplify "polymorphism" in java.	[7]
	(b)	Write a Java function to convert a decimal number to its equivalent	[/]
	(0)	binary number.	[5]
	(a)	•	
	(c)	Discuss split() function in Java	[3]