

Brainware University Barasal, Kaikata -700125

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Master of Computer Applications
Course Name – Object Oriented Programming Using Java
Course Code - MCA201
(Semester II)

Time: 1 Hr.15 Min.	Full Marks: 60	
[The figure in the margin	indicates full marks.]	
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Group Oduktiele Cheine	•	
(Multiple Choice Choose the correct alternative from the following:	••	
Choose the correct diternative from the following .		
(1) Which is private member functions access scop	e?	
a) Member functions which can only be used w ithin the class	 b) Member functions which can used outside the class 	
 c) Member functions which are accessible in de rived class 	d) Member functions which can't be accessed i nside the class	
(2) The essential characteristics of an object that di ts and thus provide crisply defined conceptual b the viewer is called:		
a) Encapsulation	b) Modularity	
c) Hierarchy	d) Abstraction	
(3) Abstraction is classified into types		
a) 4 c) 2	b) 3 marko un ku una para sector de	
(4) The process of compartmentalizing the element ucture and behavior is called as	s of an abstraction that constitute its str	
a) Hierarchy	b) Encapsulation	
c) Modularity	d) Entity Abstraction	
(5) In which of the following mechanisms, types of at compilation time.	f all variables and expressions are fixed	
a) Strong Typing	b) Weak Typing	
c) Static Binding / early binding	d) Dynamic Binding / late binding	
(6) In which of the following mechanisms, types of nown until runtime	f all variables and expressions are not k	

THE REPORT OF THE PARTY OF THE b) Weak Typing a) Strong Typing d) Dynamic Binding/ late binding c) Static Binding/early binding (7) Which of the following statements about Persistence is correct? a) It is the enforcement of the class of an objec It is the property of an object through which t, such that objects of different types may not its existence transcends time and/or space. be interchanged, or at the most they may be i nterchanged only in very restricted ways. d) None of the mentioned c) Both of the mentioned (8) What is that concept in type theory in which a single name may denote objects of many different classes that are related by some common super class referred to ____ a) Monomorphism b) Type Checking c) Polymorphism d) Generalization (9) Object oriented technology is built upon a sound engineering foundation, whose eleme nts are collectively called as _____ a) Von Neumann Model b) Object Model c) Structured Model d) Programming Model (10) Callback is an operation provided by LIBRARY b) Encapsulation a) Inheritance Brainwers c) Modularity d) Abstraction Barasat, Kerkers (11) Superclass represents abstractions a) Generalized abstractions b) Specialization abstractions c) Generalized and Specialization abstractions d) None of these $(12)_{-}$ is the property that distinguishes an active object from one that is not a ctive. a) Persistence b) Typing c) Aggregation d) Concurrency (13) Which of the following is not a Java features? a) Dynamic b) Architecture Neutral c) Use of pointers d) Object-oriented (14) What is the return type of the hashCode() method in the Object class? a) Object b) int d) void c) long (15) Which of the property of an object encompasses all of the (usually static) properties of the object plus the current (usually dynamic) values of each of these? a) Semantics b) Behavior d) Identity c) State is a description of a set of objects that share the same attributes, operation (16) A s, relationships, and semantics. a) Structure b) Class c) Constructor d) Function

b) They cannot be inherited, though a derived c lass can call the base class constructor.

d) Constructors cannot be virtual.

(17) Which of the following statements about a constructor is not true?

a) We cannot refer to their addresses.

c) An object with a constructor can be used as a

member of a union.			
(18) When an object is created and initialized at the sa	nme time, a constructor get		
s called.	1) G Countrietor		
a) Inline Constructor	b) Copy Constructor d) Parameterized Constructor Bratomers 11-		
c) Default Constructor	Signification of		
(19) Which of these keywords is used to make a class			
a) class	b) struct		
c) int	d) None of these		
(20) Which of these statement is incorrect?	to a mathed et all		
a) Every class must contain a main() method	b) Applets do not require a main() method at all		
c) There can be only one main() method in a program	d) main() method must be made public		
(21) Evaluate the following Java expression, if x=3,	y=5, and $z=10$: ++z + y - y + z + x++		
a) 20	b) 23		
c) 24	d) 25		
(22) Which of the following tool is used to generate om doc comments in source code?	API documentation in HTML format fr		
a) javap tool	b) javaw command		
c) Javadoc tool	d) javah command		
(23) Which statement is true regarding an object?			
a) An object is what classes instantiated are fro	b) An object is an instance of a class		
c) An object is a variable	d) An object is a reference to an attribute		
(24) Which component is used to compile, debug an			
	b) JDK		
a) JVM	d) JRE		
c) JIT			
(25) Which component is responsible to run java pr	b) JDK		
a) JVM	d) JRE		
c) JIT			
(26) Which of the below is invalid identifier with the	e main meinou?		
a) public	b) static		
c) private	d) final		
(27) How can we identify whether a compilation un	nit is class or interface from a .class file?		
a) Java source file header	b) Extension of compilation unit		
c) We cannot differentiate between class and int	1ld he most fi		
(28) Which of these is used to access a member of d?	class before object of that class is create		
a) public	b) private		
f	d) protected		
c) static (29) What is the process by which we can control			
embers of a class?			
a) Polymorphism	b) Abstraction		
c) Encapsulation	d) Recursion		

(30) Which of these access specifier must be used for ther subclass?	b) private d) None of these		
a) public	b) private		
c) protected	d) None of these		
(31) What is the prototype of the default constructor of e { }	of this Java class? public class prototyp		
a) prototype()	b) prototype(void)		
c) public prototype(void)	d) public prototype()		
(32) Which of the following does not belong: If a class uld			
a) Make use of the parent class's capabilities	b) Over-ride or add the minimum to accomplis h the derived class' purpose		
c) Over-ride all the methods of its parent class	d) Make sure the result "IS-A-KIND-OF" its ba se class		
(33) If an expression contains double, int, float, long, moted into which of these data types?	then the whole expression will be pro		
a) long	b) int		
c) double	d) float		
(34) Given a class named student, which of the followor the class?	wing is a valid constructor declaration f		
a) Student (student s) { }	b) Student student () { }		
c) Private final student () { }	d) Void student () { }		
(35) What is Truncation is Java?			
 a) Floating-point value assigned to an integer ty pe 	b) Integer value assigned to floating type		
 c) Floating-point value assigned to an Floating type 	d) Integer value assigned to floating typ		
(36) Which of these is an incorrect array declaration	?.		
a) int arr[] = new int [5]	b) int [] arr = new int[5]		
c) int arr[] = new int[5]	d) int arr[] = int [5] new		
(37) Which of these is an incorrect Statement?			
a) It is necessary to use new operator to initializ e an array	b) Array can be initialized using comma separa ted expressions surrounded by curly braces		
c) Array can be initialized when they are declar ed	d) None of these		
(38) Which of these class is superclass of every class	ss in Java?		
a) String class	b) Object class		
c) Abstract class	d) ArrayList class		
(39) Which of these method of Object class is used			
a) get()	b) void getclass()		
c) Class getclass()	d) None of these		
(40) Which of these keywords cannot be used for a	class which has been declared final?		
a) abstract	b) extends		
c) abstract and extends	d) None of these		

(41) String in Java is a?		LIBRARY	
a) class	b) object	Brainware University 8 arasat, Komata -700125	
c) variable	d) character array	700125	
(42) Which of these keywords is used to refer to mem		a subclass?	
a) upper	b) super		
c) this	d) None of these		
(43) Which of the following statements are incorrect?			
a) String is a class	b) Strings in java are mutable		
c) Every string is an object of class String	 d) Java defines a peer class of String, called Str ingBuffer, which allows string to be altered 		
(44) Which keyword is used by the method to refer to	o the object that invoke	d it?	
a) import	b) catch		
c) abstract	d) this		
(45) Which operator is used by Java run time implement when it is no longer needed?	nentations to free the m	emory of an obj	
a) delete	b) free		
c) new	d) None of these		
(46) Which of the following statements are incorrec	t?		
a) default constructor is called at the time of ob ject declaration	b) constructor can be	e parameterized	
c) finalize() method must be declared protected		is called when an object go nd is no longer needed	
(47) What is the process of defining more than one meters?	method in a class differ	rentiated by para	
a) Function overriding	b) Function overloa	ding	
c) Function doubling	d) None of these		
(48) Which of these data type can be used for a me	thod having a return sta	atement in it?	
a) void	b) int		
c) float	d) int and float		
(49) Which of these class is used to create an object	et whose character sequ	ience is mutable?	
a) String()	b) StringBuffer()		
c) String() & StringBuffer()	d) None of these		
(50) Which of these method of class StringBuffer ter sequence?	*	th of current charac	
a) length()	b) Length()		
c) capacity()	d) Capacity()		
(51) Which of these keywords are used to define a			
a) abst	b) abstract		
c) Abstract	d) abstract class		
(52) If a class inheriting an abstract class does not own as?	t define all of its functi	on then it will be kn	
a) Abstract	b) A simple class	3	
c) Static class	d) None of these		
(53) Which of these packages contains abstract k	eyword?		

a) java.lang c) java.io		b) java.util d) java.system	
(54) What is the process of defining ure as a method in its superclassical control of the contro	g a <mark>method in a s</mark> ss?	ubclass having same name	& type signat
a) Method overloading		b) Method overriding	
c) Method hiding		d) None of these	
(55) Which of these is correct way ass A by subclass B?	of calling a const	tructor having no paramete	ers, of supercl
a) super(void);		b) superclass.();	
c) super.A();		d) super();	
(56) Which of this keyword must b	e used to inherit	a class?	
a) super		b) this	1/1/4
c) extent		d) extends	Brancel Ki
(57) What is not type of inheritance	e?		Better
a) Single inheritance			
c) Hierarchical inheritance		d) Multiple inheritance	
(58) All classes in Java are inherite	ed from which cla	ass?	
a) java.lang.class			
c) java.class.object			
(59) Which of these is a mechanism	n for naming and	l visibility control of a cla	ss and its conte
a) Object		b) Packages	
c) Interfaces		d) None of these	
(60) Which of these access specific ssed by a different class in the			pers can be acce
a) Public		b) Protected	10.1
c) Private		d) No Modifier	A 1 . 10 10 1

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