Course/Branch : B.E / EEE	**Year / Semester** :III / V	Format No.	NAC/TLP-07a.13
Subject Code : CS8392	**Subject Name** : Object Oriented Programming	Rev. No.	02
Unit No : 2	**Unit Name :** INHERITANCE AND INTERFACES	Date	30.09.2020

OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices)	BTL
1	**Which inheritance in java programming is not supported** **A. Multiple inheritance using classes** B. Multiple inheritance using interfaces C. Multilevel inheritance D. Single inheritance	L1
2	**What is subclass in java?** **A. A subclass is a class that extends another class** B. A subclass is a class declared inside a class C. Both above. D. None of the above.	L1
3	**If class B is subclassed from class A then which is the correct syntax** A. class B:A{} B. **class B extends A{}** C. class B extends class A{} D. class B implements A{}	L3
4	**Order of execution of constructors in Java Inheritance is** **A. Base to derived class** B. Derived to base class C. Random order D. none	L2
5	**Inheritance relationship in Java language is** A. Association **B. Is-A** C. Has-A D. None	L1
6	**Advantage of inheritance in java programming is/are** A. Code Re-usability B. Class Extendibility C. Save development time **D. All**	L2
7	**Which of the following is/are true statements?** **A. A class can extend only one class but can implement many interfaces** **B. An interface can extend many interfaces** C. An interface can implement another interface D. An interface can implement a class	L1

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8	**Which class cannot be sub classed?** **A. final class** B. object class C. abstract class D. child class	L2
9	**Which cannot be inherited from a base class in Java programming** **A. Constructor** B. final method C. Both D. None	L1
10	**In which java oops feature one object can acquire all the properties and behaviours of the parent object?** A. Encapsulation **B. Inheritance** C. Polymorphism D. None of the above	L2
11	**Java inheritance is used** A. for code re-usability B. to achieve runtime polymorphism **C. Both of the above** D. None	L2
12	**The functionality of multiple inheritance can be implemented in Java by** I. Extending one class and implementing multiple interfaces. II.Implementing multiple interfaces. III.Extending multiple classes and interfaces. IV. Extending multiple classes and one interface A. Only I B. Only III **C. I & II** D. II & III	L1
13	**Which keyword is used to declare an interface in java?** A. class **B. interface** C. implements D. abstract	L2

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14	**A java interface can contain ————** A. public static Final Variables only B. public Abstract methods C. Abstract methods(unimplemented) and implemented methods both **D. public static Final Variables and abstract methods both**	L2
15	**Which is the correct way to inherit and implement the interface?** Consider and example, Interface is IAnimal and a class is Cat that wants to implement interface. **A. class Cat implements IAnimal{}** B. class Cat extends IAnimal{} C. class Cat import IAnimal{} D. None is correct	L1
16	**Which one is correct declaration for implementing two interfaces?** Consider, Interface A and B. class C wants to implements both interfaces. **A. class C implements A, B** B. class C implements A, implements B C. class C implements A extends B	L3
17	**Which of these access specifiers can be used for an interface?** **A. Public** B. Protected C. private D. Any of the above	L2
18	**The fields in an interface are implicitly specified as** A. Static B. Protected C. Private **D. Static and final**	L3

19	**What is output of the below java code?**
	interface X
	{
	int i = 5;
	}
	class Y implements X
	{
	void f()
	{
	i = 10;
	System.out.println("i="+i);
		L2

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OBJECTIVE TYPE QUESTION BANK

	}
	}
	public class Main {
	public static void main(String[] args) {
	Y obj = new Y();
	obj.f();
	}
	}
	A. 0
	B. 5
	C. 10
	D. Compiler error	

20	**Java interface is used to** A. Implement behaviour of multiple inheritance B. Achieve abstraction C. achieve loos coupling **D. All of the above**	L2
21	**Which of the following contains only unimplemented methods?** A. Class B. Abstract class **C. Interface** **D.** None	L1
22	**A class inherits an interface using which keyword?** A. Extends **B. Implements** C. Inherit **D.** None	L1

23	**What is output of the below java program?**
	interface IShape {
	void f();
	}
	class Circle implements IShape {
	public void f() {
	System.out.println("Interface");
	}
	public void c() {
	System.out.println("class");
	}
	}
		L3

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	public class Main {
	public static void main(String[] args) {
	IShape obj = new Circle();
	obj.f();
	}
	}
	A. Interface
	B. Class
	C. Compiler error	

24	**How many destructors a class can have?** **A. 1** B. 2 C. 3 D. 4	L2
25	**The name of constructor must be ___** A. Same as object name B. Same as one of the member function **C. Same as class name** D. None of the given	L3
26	**The clone() method is defined in?** A. Abstract class **B. Object Class** C. ArrayList class D. D) None of the above	L1
27	**Which method of object class can clone an object?** A. copy() B. Objectcopy() C. **Objectclone()** D. D) Clone()	L2
28	**Which feature of OOP reduces the use of nested classes?** A. Encapsulation **B. Inheritance** C. Binding D. d)Abstration	L2

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29	**What will be the result of given code?**
	String str = "StudyTonight";
	str.concat(".com");
	str = str.toUpperCase();
	str.replace("TONIGHT","today");
	System.out.println(str);
	A. STUDYTONIGHT
	B. STUDYtoday.COM
	C. STUDYTONIGHT.COM
	D. STUDYtoday
		L3

30	**A java interface can contain_____.** A. public static final variables only B. public abstract methods C. Abstract methods **D. Both A&C**	L2
31	**How many base classes can a derived class have which is implementing multiple inheritance?** A. Only 2 B. At least 2 C. At most 2 **D. As many as required**	L1