

# University of Mumbai

## Examination 2020

Program: **Computer Engineering**

Curriculum Scheme: 2012

Examination: Second Year Semester III

Course Code: CSC302 and Course Name: Object Oriented Programming Methodology

Time: 1 hour

Max. Marks: 50

For the students:- All the Questions are compulsory and carry equal marks .

Q1.	What is the output of the following code snippet. <pre>import java.util.*; public class MyClass {     public static void main(String args[])     {         Vector v=new Vector(5);         v.addElement("Computer");         v.addElement("Department");         System.out.println(v.capacity());         System.out.println(v.size());     } }</pre>
Option A:	5 2
Option B:	2 5
Option C:	10 2
Option D:	10 5
Q2.	Find the output of the following code <pre>public class MyClass {     public static void main(String args[])     {         String s="Information";         System.out.println(s.substring(3,7));     } }</pre>
Option A:	formati
Option B:	form
Option C:	orma
Option D:	ormatio
Q3.	<pre>public class M {     abstract void disp();     void displayMessage()     {         System.out.println("Hello");     } }</pre>
Option A:	class M must contain all abstract methods.
Option B:	The method disp() in class M must have a method body.
Option C:	class M must be defined abstract.

Option D:	class M must be define as interface
Q4.	<p>Find the missing statement in the following code</p> <pre> public class Th extends Thread {     public void run()     {         System.out.print("Thread is Running.");     }     public static void main(String args[])     {         Th thread=new Th();         ..... // missing statement to Start the thread     } } </pre>
Option A:	start();
Option B:	Th.start();
Option C:	thread.run();
Option D:	thread.start();
Q5.	<p>disp() method in class B is an example of _____. The output of the code is _____.</p> <pre> class A {     void disp()     {         System.out.println("in class A");     } } class B extends A {     void disp()     {         System.out.println("in class B");     } }  public class M {     public static void main(String args[])     {         B ob = new B();         ob.disp();     } } </pre>
Option A:	method overriding, in class A
Option B:	method overriding, in class B
Option C:	method overloading, in class A
Option D:	method overloading, in class B
Q6.	Which of the following packages needs to be important to use the Scanner class
Option A:	java.util
Option B:	java.io
Option C:	java.net
Option D:	java.lang

Q7.	Which of the following is not OOP concept in Java?
Option A:	Inheritance
Option B:	Encapsulation
Option C:	Polymorphism
Option D:	Operator Overloading
Q8.	_____ is a default package of java
Option A:	java.io
Option B:	java.util
Option C:	java.lang
Option D:	java.net
Q9.	Which of the keyword is used for the block to handle the exceptions generated by try block?
Option A:	try
Option B:	catch
Option C:	finally
Option D:	throw
Q10.	Which method of String class is used to extract a single character from a String object?
Option A:	charAt( )
Option B:	CHARAt()
Option C:	CharacterAt( )
Option D:	characterat( )
Q11.	_____ is used to declare constant variable.
Option A:	const
Option B:	constant
Option C:	final
Option D:	finally
Q12.	Java does not support _____
Option A:	Single inheritance
Option B:	Multiple inheritance
Option C:	Multilevel Inheritance
Option D:	Hierarchical Inheritance
Q13.	Which method of Graphics class is used to draw a square on applet?
Option A:	drawOval( )
Option B:	drawRect( )
Option C:	drawArc( )
Option D:	drawSquare( )

Q14.	Which of these method of Thread class is used to find priority of a thread?
Option A:	getThreadPriority()
Option B:	getpriority()
Option C:	GetPriority()
Option D:	getPriority()
Q15.	_____ has the same name as its class and is syntactically similar to a method. It has no explicit return type.
Option A:	Method overriding
Option B:	Method Overloading
Option C:	Constructor
Option D:	Class
Q16.	Which of the following Array declaration statement is illegal ?
Option A:	int a [ ] [ ] = new int [ ] [4]
Option B:	int [ ] a [ ] = new int [4] [4]
Option C:	int a [ ] [ ] = new int [4] [4]
Option D:	int [ ] a [ ] = new int [4] [ ]
Q17.	In the given Array declaration, which expression returns the output as 5 ? int [ ] Arr = {10, 20, 30, 40, 50};
Option A:	Arr.length
Option B:	Arr.length()
Option C:	Arr[ ].length
Option D:	Arr[ ].length()
Q18.	The default capacity of a Vector is _____
Option A:	0
Option B:	5
Option C:	10
Option D:	15
Q19.	Which of the following is/are the advantages of Vector over arrays? i) Vector is fixed size list. ii) A vector can be used to store a list of objects that may vary in size iii) We can add and delete objects from the list as and when required
Option A:	i and ii only
Option B:	ii and iii only
Option C:	i and iii only
Option D:	All i, ii and iii
Q20.	The class at the top of exception class hierarchy is _____
Option A:	Exception
Option B:	Object
Option C:	Throwable
Option D:	NullPointerException

Q21.	Find the output of the program  <pre> public class Test {     public static void main(String[] args)     {         boolean bool = true;         if (bool = false)         {             System.out.println("OOPM");         }         else         {             System.out.println("JAVA");         }     } } </pre>
Option A:	OOPM
Option B:	JAVA
Option C:	Compile time error
Option D:	Run time error
Q22.	Which among the following operators is used to allocate memory for an object?
Option A:	calloc
Option B:	malloc
Option C:	realloc
Option D:	new
Q23.	Which of the following statement is incorrect?
Option A:	Every class must contain a main() method
Option B:	Applets do not require a main() method at all
Option C:	There can be only one main() method in a program
Option D:	main() method must be made public
Q24.	Which of this keyword can be used in a subclass to call the constructor of superclass?
Option A:	this
Option B:	super
Option C:	extend
Option D:	Implements
Q25.	Which of these method of Thread class is used to Suspend a thread for a period of time?
Option A:	sleep()
Option B:	terminate()

Option C:	suspend()
Option D:	stop()