|  |  |  |
| --- | --- | --- |
|  | 1)Which members of Base class can be inherited into Derived class ? | |
|  | A. | Public and Protected |
|  | B. | Public and Private |
|  | C. | Private and Default |
|  | D. | Protected and Private |

2)

|  |  |  |  |
| --- | --- | --- | --- |
| How to display all the steps in JAVA Compilation? | | |  |
|  | A. | javac -debug myprogram.java | |
|  | B. | javac -verbose myprogram.java | |
|  | C. | javac -anybug myprogram.java | |
|  | D. | None of theAbove | |

3)

|  |
| --- |
| What is the output of this program?  interface calculate  {  void cal(int x);  }  class display implements calculate {  public void cal( int x)  {  System.out.println( x\*x );  }  }  class Test {  public static void main(String args[])  display d = new display();  d.cal(2);  }  } |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | 25 | [B.](javascript: void 0;) | 9 | | [C.](javascript: void 0;) | 2 | [D.](javascript: void 0;) | 4 | |

4)

|  |
| --- |
| What is the output of this program?  class A {  protected int i ;  A(){  i =3;  }  }  class B extends A {  public void display()  {  System.out.println( super.i );  }  }  public class inheritance { public static void main(String args[]) {  B obj = new B(); obj.display();  }  } |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | 2 | [B.](javascript: void 0;) | 3 | | [C.](javascript: void 0;) | 4 | [D.](javascript: void 0;) | 5 | |

5) Which of the following are not Java reserved words?

A) run

B) import

C) default

D) implements

6)

|  |  |
| --- | --- |
|  | What will be the output of the program?  public class Test  {  public static void main (String[] args)  {  String foo = args[1];  String bar = args[2];  String baz = args[3];  System.out.println("baz = " + baz); /\* Line 8 \*/  }  }  And the command line invocation:  > *java Test red green blue* |
| |  |  |  |  | | --- | --- | --- | --- | | [A.](javascript: void 0;) | baz = | [B](javascript: void 0;) | baz = null | | [C.](javascript: void 0;) | baz = blue | [D.](javascript: void 0;) | Runtime Exception | |

7)

|  |
| --- |
| What will be the output of the program?  public class Test  {  private static int[] x;  public static void main(String[] args)  {  System.out.println(x[0]);  }  } |
| |  |  | | --- | --- | | [A](javascript: void 0;) | 0 | | [B](javascript: void 0;) | Null | | [C](javascript: void 0;) | Compile Error | | [D](javascript: void 0;) | *NullPointerException* at runtime | |

8)

|  |
| --- |
| What will be the output of the program?  public class Foo  {  public static void main(String[] args)  {  try  {  return;  }  finally  {  System.out.println( "Finally" );  }  }  } |
| |  |  | | --- | --- | | [A.](javascript: void 0;) | Finally | | [B.](javascript: void 0;) | Compilation fails. | | [C.](javascript: void 0;) | The code runs with no output. | | [D.](javascript: void 0;) | An exception is thrown at runtime. | |

9)

Platform Independent BYTE code file created from Source file is understandable by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A. JRE

B. Javac

C) Operating System

D) JVM

E) Eclipse

10)

Which of these keywords is used to refer to member of base class from a sub class?

A) upper  
B) super  
C) this  
D) None of the mentioned

11) Can a method be both **static and final** in Java ???

A. True

B. False

12) Constructor Overloading is an example of \_\_\_\_\_\_\_\_\_\_\_\_\_???

A. Runtime Polymorphism

B. Compile time Polymorphism

13) Unused memory in Java is reclaimed by \_\_\_\_\_\_\_\_\_ ???

A. System.ac()

B. System.pc()

C. System.dc()

D. System.gc()

14) Constructors can have a return type in Java \_\_\_\_\_\_\_\_\_???

A. True

B. False

15) Can a Abstract Class be inherited \_\_\_\_\_\_\_\_\_\_\_\_\_\_????

A. False

B. True

16) Every piece of memory allocated on heap using “new” should be returned to free store using “free” operator in java

A. False

B. True.

17) All Critical Exceptions caused by factors outside the scope of application code internally extends from which class?

A. Error

B. CompileTimeException

C. Exception

D. None of the above

18)

Which of these access specifiers can be used for an interface?  
A) Public  
B) Protected  
C) private  
D) All of the mentioned

19) **What is the output of the following program**

interface Shape{

- protected void area();

- protected void perimeter();

}

class A implements Shape

{

void area()

{

System.out.println(“ Calculating Area now”);

}

void perimeter()

{

System.out.println(“ Calculating Perimeter now”);

}

public static void main( String args[])

{

A obj=new A();

obj.area();

obj. perimeter();

}

}

A) Calculating Area now, Calculating Perimeter now

B) Calculating Perimeter now, Calculating Area now

C) No Output

D) Compilation Error

E) None of the above

**20)** Which of these packages contains and owns abstract keyword?  
A) java.lang  
B) java.util  
C) java.io  
D) java.system

21)

Which of these is not a correct statement?  
a) Every class containing abstract method must be declared abstract.  
b) Abstract class defines only the structure of the class not its implementation.  
c) Abstract class can be instantiated by new operator.  
d) Abstract class can be inherited.

22) What is the output of the following program ?

protected class Rectangle{

public int side;

public Rectangle (int side){

this.side = side; }

public static void main(String args[])

{Rectangle r=new Rectangle(10);

System.out.println(new Rectangle(r.side)); } //end of main

}//end of class

A. 10

B. 100

C. 0

D. Compilation Error

E. No Output

23) Can main() method be overloaded [CTP] in Java?

A. No, main() is a special static method of the Class used by JVM to execute the class.

B. Yes, main() method can be overloaded as you want.

24) Can main() method be overridden [ RTP ]in Java?

A. Yes, as Main() is a static method, hence non-polymorphic in nature

B. No, Main() method cannot be overridden.

25) Can a Class’s constructor call another constructor of Base Class?

A. Yes

B. No

**26) Can user defined data types be used inside source code of Java?**

**A. No**

**B. Yes**

**27) Will this block of code work ?**

**static void counter()**

**{**

**int y=9;**

**float f=99.99f;**

**static int x=100;**

**}**

A. Yes

B. No

28) Can we have empty/blank Interfaces in Java

A. Yes

B. No

29) Garbage Collector is \_\_\_\_\_\_\_\_?

A. System Thread in Java

B. Package in Java

C. Class in Java

D. Instance Method in Java

E. Static Method in Java

30) What is null in Java?

A. null is class in Java

B. null is a double precision floating point constant in Java

C. null is a package in Java

D. null is a keyword in Java

E. All of the above