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This Test has at least one attempt in progress. Deleting questions has been disabled. The attempts currently in progress are by: Animesh Jain, Arnav Ranjan

Test Canvas: End Semester Examination

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Description	
Instructions	
Total Questions	60
Total Points	100
Number of Attempts	68

Select: [All](#) [None](#) Select by Type:

Points

1. Multiple Choice: Output?:

Points: **2**

Question

```

class First {
    int i = 10 ;

    public First( int j){
        System.out.println(i);
        this .i = j * 10 ;
    }
}
class Second extends First {
    public Second( int j) {
        super (j);
        System.out.println(i);
        this .i = j * 20 ;
    }
}
public class MainClass {
    public static void main(String[] args)
    {
        Second n = new Second( 20 );
        System.out.println(n.i);
    }
}

```

Answer

200
400
10

10
200
400

400
200
10

10
400
200

2. Multiple Choice:

Points: **2**

Question

```
class Test {
    public static void main(String args[]) {
        System.out.println(fun());
    }
    static int fun() {
        static int x= 0 ;
        return ++x;
    }
}
```

Answer Compile Error

1

0

None of the Above

3. Multiple Choice:

Points: **2**

Question

```
class Test {
    public static void main(String[] args) {
        for ( int i = 0 ; 1 ; i++) {
            System.out.println( "Hello" );
            break ;
        }
    }
}
```

Answer Hello

Infinite time Hello

Compile error

None of the Above

4. Multiple Choice: Which type of polymorphism is nothing...

Points: **2**

Question	Which type of polymorphism is nothing but the method overloading in java?
Answer	<p>A. Compile time polymorphism</p> <hr/> <p>B. Runtime polymorphism</p> <hr/> <p>C. Static polymorphism</p> <hr/> <p><input checked="" type="checkbox"/> D. Both A & C</p>

5. Multiple Choice: Output?:

Points: **2**

Question	<pre> class GfG { public static void main(String args[]) { String s1 = new String("String1"); String s2 = new String("String1"); String s3 = "String1"; String s4 = "String1"; if (s1 == s2) System.out.println(" S1 and S2 are Equal"); else if (s3 == s4) System.out.println("S3 and S4 are equal"); else System.out.println("Not Equal"); } } </pre>
Answer	<p>S1 and S2 are Equal</p> <hr/> <p><input checked="" type="checkbox"/> S3 and S4 are Equal</p> <hr/> <p>Not Equal</p> <hr/> <p>Compile Error</p>

6. Multiple Choice: Output?:

Points: **2**

Question	
----------	--

```
public class End {
    public static void main(String args[])
    {
        int i = 0;
        for (System.out.println("HI"); i < 1; i++)
            System.out.println("HELLO DevOps");
    }
}
```

Answer

HI
HELLO DevOps

No output

Compile Time error

HELLO OSOS

7. True / False: Unchecked exceptions are checked at c...

Points: **1**

Question	Unchecked exceptions are checked at compile-time rather they are checked at runtime.
Answer	<input type="radio"/> True <input checked="" type="radio"/> False

8. Fill in the Blank: Inner classes:

Points: **2**

Question	<pre>public class Outer { private static int data = 100; private static int LocalClass() { class Inner { public int data = 200; private int getData() { return data; } }; Inner inner = new Inner(); return inner.getData(); } public static void main(String[] args) { System.out.println(data * LocalClass()); } }</pre>
----------	---

Evaluation Method

Answer

Case Sensitivity

9. Multiple Choice: How many types of constructor a...

Points: 1

Question	How many types of constructor are defined in the StringTokenizer class?
Answer	<p>2</p> <hr/> <p><input checked="" type="checkbox"/> 3</p> <hr/> <p>4</p> <hr/> <p>5</p>

 10. True / False: If you import a package, subpac...

Points: 1

Question	If you import a package, subpackages will not be imported.
Answer	<p><input checked="" type="checkbox"/> True</p> <p><input type="checkbox"/> False</p>

 11. Multiple Choice: Output?:

Points: 2

Question	<pre> class End1 { End1 (int x) { System.out.println("Constructor called " +x); } } class End2 { End1 e1 = new End1(10); End2(int i) { e1 = new End1(i); } public static void main(String[] args) { End2 e2 = new End2(5); } } </pre>
Answer	<p>Constructor Called 5</p> <p>Constructor Called 10</p> <hr/> <p>Constructor Called 10</p> <hr/> <p>Constructor Called 5</p>

- ✔ Constructor Called 10
- Constructor Called 5

Points: **1**

12. True / False: Packages are used for distributing a collection of reusable classes, usually in a format known as Ja: Packages are used for distributing a ...

Question	Packages are used for distributing a collection of reusable classes, usually in a format known as Java Archive (JAR) file.
Answer	✔ True False

 13. Multiple Choice: Output?:Points: **2**

Question	<pre>class Char { public static void main(String args[]) { char ch1, ch2; ch1 = 88; // code for X ch2 = 'Y'; System.out.print("ch1 and ch2: "); System.out.println(ch1 + " " + ch2); } }</pre>
Answer	✔ ch1 and ch2: X Y ----- ch1 and ch2: x y ----- ch1 and ch2: 1 3 ----- None of the above

 14. Multiple Choice: Output?:Points: **2**

Question

```
public class End {
    public static void main(String args[])
    {
        int a = 11 & 9;
        int b = a ^ 3;
        System.out.println(b | 12);
    }
}
```

Answer 14

0

12

8



Points: **2**

15. Multiple Choice: Statement that support batch execut...

Question	Statement that support batch execution of queries
Answer	<input type="checkbox"/> Statement <input type="checkbox"/> PreparedStatement <input checked="" type="checkbox"/> Both <input type="checkbox"/> None of them



Points: **2**

16. Multiple Choice: Multiple Choice: Which of the following statements can...

Question	<p>Which of the following statements can be used to register Driver class in a java program</p> <p>1. <code>Class.forName("driverClass");</code> 2. <code>DriverManager.registerDriver("driverClass");</code> 3. <code>DriverClassName obj=new DriverClassName();</code></p>
Answer	<input type="checkbox"/> Only 1

Only 2

Only 3

All of them



17. Multiple Choice: Output?: Which of the following statements are...

Points: 2

Question	Which of the following statements are incorrect?? <pre>public class End { public static void main(String args[]) { int[][] ar1 = new int[2][3]; // Line1 int[][] ar2 = new int[2][]; // Line2 int[][] ar3 = new int[][]; // Line3 int[][] ar4 = new int[][2]; // Line4 } }</pre>
Answer	All <hr/> Line 1, 3, 4 <hr/> <input checked="" type="checkbox"/> Line 3 , 4 <hr/> Line 2, 3, 4



18. Multiple Choice: What are the Interfaces that offers...

Points: 2

Question	What are the Interfaces that offers getMetaData() method in JDBC? 1. Connection 2. Statement 3. ResultSet
Answer	Only 1 <hr/> Both 1 & 2 <hr/> <input checked="" type="checkbox"/> Both 1 & 3

All of them

Points: **2**



19. Multiple Choice: Which design pattern ensures that only one...

Question	Which design pattern ensures that only one object of particular class gets created?
Answer	<input checked="" type="checkbox"/> Singleton pattern
	<input type="checkbox"/> Filter pattern
	<input type="checkbox"/> State pattern
	<input type="checkbox"/> Bridge pattern

20. Multiple Choice: Inner classes:

Points: **2**

Question	<pre>interface OuterInterface { public void InnerMethod(); public interface InnerInterface { public void InnerMethod(); } } public class Outer implements OuterInterface.InnerInterface, OuterInterface { public void InnerMethod() { System.out.println(100); } public static void main(String[] args) { Outer obj = new Outer(); obj.InnerMethod(); } }</pre>
Answer	<input checked="" type="checkbox"/> 100
	<input type="checkbox"/> Compilation Error
	<input type="checkbox"/> Run time error

None of these



Points: 2

21. Multiple Choice: What will be the order of output of the program?:

Question

```
class Test extends Thread {
public
    void run()
    {
        System.out.println("Run");
    }
} class Myclass {
public
    static void main(String[] args)
    {
        Test t = new Test();
        t.start();
        System.out.println("Main");
    }
}
```

Answer

Main Run

Run Main

Depends upon Program

Depends upon JVM



Points: 2

22. Multiple Choice: What will be the output of the program?:

Question

```

class Test implements Runnable {
public
    void run()
    {
        System.out.println("Run");
    }
} class Myclass {
public
    static void main(String[] args)
    {
        Thread t1 = new Thread();
        t1.start();
        System.out.println("Main");
    }
}

```

Answer

Run

Main

Compile Time Error

Run Main

23. Multiple Choice: Which of the below is not a valid cla...

Points: 2

Question	Which of the below is not a valid classification of design pattern?
Answer	<p>Creational patterns</p> <p>Structural patterns</p> <p>Behavioural patterns</p> <p><input checked="" type="checkbox"/> Java patterns</p>

24. Fill in the Blank: Write output of code:

Points: 2

Question

```

class Test
{
    public static void main (String args[])
    {
        System.out.print(10 * 20 + "Java");
        System.out.println(" Java" + 10 * 20);
    }
}

```

Evaluation Method	Answer	Case Sensitivity
Exact Match	200Java Java200	

25. Multiple Choice: Output?:

Points: **2**

Question

```

public class End {
    public static void main(String args[])
    {
        try
        {
            System.out.println(1/0);
        }
        catch(Exception e)
        {
            System.out.println("HELLO DevOps");
        }
        catch(ArithmeticException e)
        {
            System.out.println("Welcome");
        }
    }
}

```

Answer HELLO DevOps

No Output

Compilation Error

Welcome

26. Multiple Choice: What is the output of the following...

Points: **2**

Question

```

import java.util.Collections;
import java.util.LinkedList;
import java.util.List;

class Demo {
public void show()
    {
        List<Integer> list = new LinkedList<Integer>();
        list.add(1);
        list.add(4);
        list.add(7);
        list.add(5);
        Collections.sort(list); // line 9
        System.out.println(list);
    }
}
public class Main {
public static void main(String[] args)
    {
        Demo demo = new Demo();
        demo.show();
    }
}

```

What is the output of the following program?

Answer

"[1, 4, 5, 7]"

"[1, 4, 7, 5]"

Compile time Error

Run time Error



Points: **2**

27. Fill in the Blank: Exception Handling: Which System generated exception...

Question	Which System generated exception will occur in following statement	
	int a = Integer.parseInt("OSOS");	
Evaluation Method	Answer	Case Sensitivity
<i>Exact Match</i>	NumberFormatException	Case Sensitive



Points: **2**

28. Multiple Choice: Exception Handling: Which of the following statement are ...

Question	<p>Which of the following statement are correct</p> <pre data-bbox="454 268 1412 795">class SalaryCalculationException extends Exception{} class Person{ public void calculateSalary() throws SalaryCalculationException{ //... throw new SalaryCalculationException(); //... } } class Company{ public void paySalaries(){ new Person().calculateSalary(); } }</pre> <ol data-bbox="454 817 1412 1086" style="list-style-type: none">1. The code will compile without any problems2. This code will compile if a method paySalaries() will return a boolean in stead of void3. This code will compile if we add a try catch block in paySalaries()4. This code will compile if we add throws SalaryCalculationException in the signature of method paySalaries()
Answer	<p>1 and 4</p> <hr/> <p>2 and 3</p> <hr/> <p>2 and 4</p> <hr/> <p><input checked="" type="checkbox"/> 3 and 4</p> <hr/> <p>1 and 2</p>



29. Fill in the Blank: Exception Handling: write Output of following code_____...

Points: **2**

Question

write Output of following code_____

```
class SalaryCalculationException extends Exception{}
class Person{
    public void calculateSalary() throws SalaryCalculationException{
        //...
        throw new SalaryCalculationException();
        //...
    }
}
class Company{
    public void paySalaries(){
        new Person().calculateSalary();
    }
}
```

Evaluation Method	Answer	Case Sensitivity
Exact Match	One Two	

30. Multiple Choice: What will be the output of the foll...

Points: **2**

Question	<pre>class PrintValue { <t> void display(t obj[]) { for(t i:obj) { System.out.println(i+" "); } } } public class MyClass { public static void main(String...args) { PrintValue obj1=new PrintValue(); Integer i[]={1,2}; obj1.display(i); Double d[]={1.1,2.2}; obj1.display(d); } }</pre>
Answer	<p>Runtime Exception</p> <hr/> <p>Compile Time Exception</p> <hr/> <p><input checked="" type="checkbox"/> 1 2 1.1 2.2</p> <hr/> <p>None of the above</p>

31. Multiple Choice: What is the output of the following...

Points: **2**

Question

```
import java.util.*;

public class CollectionQuiz
{
    public static void main(String[] args)
    {
        List<String> list1 = new LinkedList<>();
        list1.add("A");
        list1.add("B");
        list1.add("A");
        list1.add("C");
        list1.add("D");

        List<String> list2 = new LinkedList<>();
        list2.add("A");

        list1.removeAll(list2);

        for (String temp : list1)
            System.out.printf(temp + " ");

        System.out.println();
    }
}
```

What is the output of the following program?

Answer

B C D

A B A C D A

B A C D A

A B A C D

32. Multiple Choice: What is the output of the following...

Points: **2**

Question

```

import java.util.*;

public class CollectionQuiz
{
    public static void main(String[] args)
    {
        HashSet<String> hashSet = new HashSet<>();
        hashSet.add("A");
        hashSet.add("B");
        hashSet.add("C");
        hashSet.add("B");

        System.out.println(hashSet);
    }
}

```

What is the output of the following program?

Answer

A B C A

A B C

A A B C

None of the above

33. Multiple Choice: java.util.Collections is a:

Points: 1

Question	java.util.Collections is a:
Answer	<input checked="" type="checkbox"/> Class
	<input type="checkbox"/> Interface
	<input type="checkbox"/> Object
	<input type="checkbox"/> Method

34. Multiple Choice: Output?:

Points: 2

Question

```
class Temp
{
    private Temp(int data)
    {
        System.out.printf(" Constructor called ");
    }
    protected static Temp create(int data)
    {
        Temp obj = new Temp(data);
        return obj;
    }
    public void myMethod()
    {
        System.out.printf(" Method called ");
    }
}

public class Mid
{
    public static void main(String[] args)
    {
        Temp obj = Temp.create(20);
        obj.myMethod();
    }
}
```

Answer

Constructor called Method called

Compilation Error

Runtime error

None of the above

35. Multiple Choice: Output?:

Points: **2**

Question

```

class Base {
    public void Print() {
        System.out.println( "Base" );
    }
}
class Derived extends Base {
    public void Print() {
        System.out.println( "Derived" );
    }
}
class Main{
    public static void DoPrint( Base o ) {
        o.Print();
    }
    public static void main(String[] args) {
        Base x = new Base();
        Base y = new Derived();
        Derived z = new Derived();
        DoPrint(x);
        DoPrint(y);
        DoPrint(z);
    }
}

```

Answer

Derived
 Derived
 Base

Derived
Base
Derived

Base
Base
Derived

Base
Derived
Derived

36. Multiple Choice: Output?:

Points: **2**

Question

```
public interface Test
{
    public int calculate();
    protected interface NestedInterface
    {
        public void nested();
    }
}
```

Answer

Compile time error due to NestedInterface

Compile time error due to access modifier of NestedInterface

No Compile time error

NestedInterface cannot hold any function declaration.



Points: **2**

37. Multiple Choice: abstract clasf: which of the statements are incorrect...

Question

which of the statements are incorrect in given code ??

```
abstract class A
{
    A(){}
    abstract void method();
}
class B extends A
{
    B(){}
    void method(){}
}
public class Mid
{
    public static void main(String a[])
    {
        A a1 = new A(); //1
        A a2 = new B(); //2
        B b1 = new A(); //3
        B b2 = new B(); //4
    }
}
```

Answer

1 and 2

2 and 4

3 and 4

1 and 3



Points: **2**

38. Fill in the Blank: Fill in the blank: Write the output of following code if...

Question Write the output of following code if a user executes it with `java Mid 15 5 10 20`

```
public class End {
    public static void main(String args[])
    {
        int a = 23, b = 34;
        a = ((a < b)?(b + a): (b - a));
        System.out.println("a = "+a);
    }
}
```

Evaluation Method	Answer	Case Sensitivity
Exact Match	My Answer 1520	

39. True / False: Can <!-- comment --> and &...

Points: **1**

Question Can <!-- comment --> and <% --comment --%> be used alternatively in JSP?

Answer True
 False



Points: **2**

40. Multiple Choice: String: What is the value returned by functio...

Question What is the value returned by function `compareTo()` if the invoking string is greater than the string compared?

Answer Negative value

Positive value

Zero

None of these

41. Multiple Choice: Inner Class:

Points: 2

Question	<pre>public class Outer { public static int temp1 = 1; private static int temp2 = 2; public int temp3 = 3; private int temp4 = 4; public static class Inner { private static int temp5 = 5; private static int getSum() { return (temp1 + temp2 + temp3 + temp4 + temp5); } } public static void main(String[] args) { Outer.Inner obj = new Outer.Inner(); System.out.println(obj.getSum()); } }</pre>
Answer	<p>15</p> <hr/> <p>9</p> <hr/> <p>5</p> <hr/> <p><input checked="" type="checkbox"/> Compilation Error</p>

42. Multiple Choice: What are the functions of Servlet con...

Points: 1

Question	What are the functions of Servlet container?
Answer	<p>Lifecycle management</p> <hr/> <p>Communication support</p> <hr/>

Multithreading support

All of the above

43. Multiple Choice: Which of the following is true about ...

Points: 2

Question	Which of the following is true about servlets?
Answer	Servlets execute within the address space of web server
	Servlets are platform-independent because they are written in java
	Servlets can use the full functionality of the Java class libraries
	<input checked="" type="checkbox"/> "Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries"

44. Multiple Choice: "What type of servlets use these meth...

Points: 1

Question	"What type of servlets use these methods doGet(), doPost(),doHead, doDelete(), doTrace()?"
Answer	Generic Servlets
	<input checked="" type="checkbox"/> HttpServlets
	All of the above
	None of the above

45. Multiple Choice: The life cycle of a servlet is manage...

Points: 1

Question	The life cycle of a servlet is managed by
Answer	servlet context
	<input checked="" type="checkbox"/> servlet container
	the supporting protocol (such as http or https)
	All of the above

Points: 1

46. Multiple Choice: Which interface provides the capabili...

Question	Which interface provides the capability to store objects using a key-value pair?
Answer	<input checked="" type="checkbox"/> Java.util.Map
	<input type="checkbox"/> Java.util.Set
	<input type="checkbox"/> Java.util.List
	<input type="checkbox"/> Java.util.Collection



Points: 1

47. Multiple Choice: You need to store elements in a colle...

Question	You need to store elements in a collection that guarantees that no duplicates are stored and all elements can be accessed in natural order. Which interface provides that capability?
Answer	<input type="checkbox"/> java.util.Map
	<input checked="" type="checkbox"/> java.util.Set
	<input type="checkbox"/> java.util.List
	<input type="checkbox"/> java.util.Collection



Points: 1

48. Multiple Choice: "When we are sending data in URL in g...

Question	"When we are sending data in URL in get method, how to separate parameters?"
Answer	<input type="checkbox"/> ;
	<input type="checkbox"/> ;
	<input checked="" type="checkbox"/> ?
	<input type="checkbox"/> &

49. Multiple Choice: Output?:

Points: **2**

Question	<pre>public class End { public static void main(String args[]) { int a = 23, b = 34; a = ((a < b)?(b + a): (b - a)); System.out.println("a = "+a); } }</pre>
Answer	<p>a = 11</p> <hr/> <p>a = 23</p> <hr/> <p>a = 34</p> <hr/> <p><input checked="" type="checkbox"/> a = 57</p>

50. Multiple Choice: Which of the following code is used t...

Points: **1**

Question	Which of the following code is used to get PrintWriter object in servlet?
Answer	<p><input checked="" type="checkbox"/> response.getWriter()</p> <hr/> <p>request.getWriter()</p> <hr/> <p>new PrintWriter()</p> <hr/> <p>None of the above.</p>

51. Multiple Choice: Which of the following are interface?...

Points: **1**

Question	Which of the following are interface? 1. ServletContext 2. Servlet 3. GenericServlet 4. HttpServlet
Answer	<p>"1,2,3,4"</p> <hr/> <p><input checked="" type="checkbox"/> "1,2"</p> <hr/> <p>"1,3,4"</p> <hr/> <p>"1,4"</p>

Points: **1****52. Multiple Choice: which of the method does not belongs**

...

Question	which of the method does not belongs to Iterator interface
Answer	<p>remove()</p> <hr/> <p><input checked="" type="checkbox"/> add()</p> <hr/> <p>next()</p> <hr/> <p>hasNext()</p>

Points: **1****53. Multiple Choice: Which one of the following is correct...**

Question	Which one of the following is correct for directive in JSP?
Answer	<p><input checked="" type="checkbox"/> <code><%@directive%></code></p> <hr/> <p><code><%!directive%></code></p> <hr/> <p><code><%directive%></code></p> <hr/> <p><code><%=directive%></code></p>

Points: **2****54. Fill in the Blank: overriding: _____ Method cannot be overridden.**

Question	_____ Method cannot be overridden.	
Evaluation Method	Answer	Case Sensitivity
<i>Exact Match</i>	final	

Points: **1****55. Multiple Choice: "Which JSP Action tags is used to inc...**

Question	"Which JSP Action tags is used to include the content of another resource, it may be jsp, html or servlet?"
-----------------	---

Answer

jsp:include

jsp:forward

jsp:plugin

jsp:papam



Points: 2

56. Multiple Choice: Choose the statement that best descri...

Question

Choose the statement that best describes the relationship between JSP and servlets:

Answer

Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage.

"Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination."

JSP and servlets are unrelated technologies

JSPs are built on servlet semantics and all JSPs are compiled to servlets for runtime usage.



Points: 1

57. Multiple Choice: OOPS: Which of the following is a type of p... of p...

Question

Which of the following is a type of polymorphism in Java?

Answer

Compile time polymorphism

Multiple polymorphism

Multilevel polymorphism

None of these



Points: 1

58. Multiple Choice: Java Environment: Which of the following is used to&nbs...

Question	Which of the following is used to compile, debug and execute a java Program
Answer	JVM
	JRE
	<input checked="" type="checkbox"/> JDK
	JIT



59. True / False: OOPS: Method overriding is combination of i...

Points: **1**

Question	Method overriding is combination of inheritance and polymorphism?
Answer	<input checked="" type="checkbox"/> True <input type="checkbox"/> False

60. Multiple Choice: Inner classes:

Points: **2**

Question	<pre> interface Anonymous { public int getValue(); } public class Outer { private int data = 15; public static void main(String[] args) { Anonymous inner = new Anonymous() { int data = 5; public int getValue() { return data; } public int getData() { return data; } }; Outer outer = new Outer(); System.out.println(inner.getValue() + inner.getData() + outer.data); } } </pre>
Answer	25
	20
	<input checked="" type="checkbox"/> Compilation Error
	Run time error

Select: [All](#) [None](#) Select by Type:

Points