

University Practical Exam for Java Programming

Date:13/02/2021 Time: 12.00 noon

* Required

1. Email address *

2. Name *

3. Class *

Mark only one oval.

☐ TYBCA-1

☐ TYBCA-2

4. Roll Number *

All Questions are compulsory

Each question carry equal marks.

1. What is the value of “t” in the following method:

```
void calc(int a, int b, int c)
{
    t=0;
    if(a>b && a>c)
        t=a;
    else if (b>a && b>c)
        t=b;
    else
        t=c;
}
```

5. Value of t depending on a,b and c *

Mark only one oval.

- ☐ largest of a, b and c
- ☐ smallest of a, b and c
- ☐ average of of a, b and c
- ☐ 0

2. What is the output of the following program:

```
public class Main
{
    public static void main(String[] args)
    {
        int a= 5;
        for(int i=1; i<=a; i++)
            System.out.print(i+"\t");
    }
}
```

6. select from the following options: *

Mark only one oval.

☐ 1 2 3 4 5

☐ 1 1 1 1 1

☐ 0 1 2 3 4

☐ 5 5 5 5 5

3. What is the output of the following program:

```
public class Main
{
    public static void main(String[] args)
    {
        int i,a=1;
        for(i=1; i<=6; i++)
        {
            System.out.print(a+"\t");
            a = a+10;
        }
    }
}
```

7. options: *

Mark only one oval.

- ☐ 1 11 21 31 41 51
- ☐ 10 10 10 10 10 10
- ☐ 10 20 30 40 50 60
- ☐ 0 10 20 30 40 50

4. what will the following method return ?

```
int meth(int n)
{
    String number = String.valueOf(n);
    for(int i=0; i<number.length(); i++)
    {
        int j= Character.digit(number.charAt(i), 10);
        System.out.print(j+" ");
    }
    while(n!=0)
    {
        ans= ans+ n%10;
        n= n/10;
    }
    return ans;
}
```

8. *

Mark only one oval.

- ☐ Sum of the digits
- ☐ Character at 10th position
- ☐ Count of the digits
- ☐ Length of the string

9. 5. Which of the following statement is used to execute MyClass class file after compilation. *

Mark only one oval.

- ☐ javac MyClass.java
- ☐ javac MyClass
- ☐ java MyClass.java
- ☐ java MyClass

6. To get the following pattern as output:

```
*
* *
* * *
* * * *
* * * * *
```

```
public class Main
{
    public static void main(String args[])
    {
        int i,j;
        _____
        {
            for(j=0; j<=i; j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

10. select from the following code to fill in the blank in the above program. *

Mark only one oval.

- ☐ for(i=0; i<5; i++)
- ☐ for(i=0; i>5; i++)
- ☐ for(i=0; i<=5; i++)
- ☐ for(i=0; i>=5; i++)

7. What will be the output of the following Java program?

```
class A
{
    int i;
    void display()
    {
        System.out.println(i);
    }
}
class B extends A
{
    int j;
    void display()
    {
        System.out.println(j);
    }
}
class inheritance_demo
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

11. Options: *

Mark only one oval.

☐ Compilation Error

☐ 0

☐ 1

☐ 2

8. What will be the output of the following Java program?

```
class A
{
    int i;
}
class B extends A
{
    int j;
    void display()
    {
        super.i = j + 1;
        System.out.println(j + " " + i);
    }
}
class inheritance
{
    public static void main(String args[])
    {
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

12. Options: *

Mark only one oval.

☐ 2 2

☐ 3 3

☐ 2 3

☐ 3 2

9. What will be the output of the following Java program?

```
class exception_handling
{
    public static void main(String
args[])
    {
        try
        {
            System.out.print("Hello");
        }
        catch(ArithmeticException e)
        {
            System.out.print("World");
        }
    }
}
```

13. Options: *

Mark only one oval.

- ☐ Hello
- ☐ World
- ☐ HelloWorld
- ☐ Hello World

10. What is the output of the following program

```
public class Main
{
    public static void main(String[] args)
    {
        int i, fact=1;
        int a=5
        for(i=a; i>=1; i--)
        {
            fact = fact * i;
        }
        System.out.println("\nFactorial of "+a+" is: "+fact);
    }
}
```

14. Options:

Mark only one oval.

- ☐ 120
- ☐ 15
- ☐ 150
- ☐ 60

11. What will be the output of the following Java program?

```
class increment
{
    public static void main(String args[])
    {
        int g = 3;
        System.out.print(++g * 8);
    }
}
```

15. Choose the correct answer:

Mark only one oval.

- ☐ 25
- ☐ 24
- ☐ 33
- ☐ 32

16. 12. What can be a constructor from the following for the class Animal?

Mark only one oval.

- ☐ Constructor() { }
- ☐ Animal() { }
- ☐ void Animal() { }
- ☐ void Constructor() { }

17. 13. _____ keyword is used to create a class level member *

Mark only one oval.

- ☐ super
- ☐ constant
- ☐ static
- ☐ final

18. 14. Which of these method of class String is used to extract a single character from a String object? *

Mark only one oval.

- ☐ CHARAT()
- ☐ chatat()
- ☐ charAt()
- ☐ ChatAt()

15. What will be the output of the following Java program?

```
class String_demo
{
    public static void main(String args[])
    {
        char chars[] = {'a', 'b', 'c'};
        String s = new String(chars);
        System.out.println(s);
    }
}
```

19. options: *

Mark only one oval.

- ☐ a
- ☐ b
- ☐ c
- ☐ abc

16. What will s2 contain after following lines of Java code?

```
String s1 = "one";  
String s2 = s1.concat("two")
```

20. Options: *

Mark only one oval.

- ☐ one
- ☐ two
- ☐ onetwo
- ☐ twoone

17. What will be the output of the following Java program?

```
class exception_handling
{
    public static void main(String args[])
    {
        try
        {
            int a, b;
            b = 0;
            a = 5 / b;
            System.out.print("A");
        }
        catch(ArithmeticException e)
        {
            System.out.print("B");
        }
        finally
        {
            System.out.print("C");
        }
    }
}
```

21. Options: *

Mark only one oval.

☐ A

☐ B

☐ AC

☐ BC

18. what is the output of the following program

```
class Test
{
    int x, y;
}

class Main
{
    public static void main(String args[])
    {
        Test t = new Test();
        System.out.println(t.x + " " + t.y);
    }
}
```

22. Options: *

Mark only one oval.

- ☐ 0 0
- ☐ Compile time error
- ☐ Exception
- ☐ Run time error

19. what is the output of the following program

```
public class Test
{
    private String function(String temp, int data, int sum)
    {
        return ("First");
    }
    private String function(String temp, int data)
    {
        return ("Second");
    }
    public static void main(String[] args)
    {
        Test obj = new Test();
        System.out.println(obj.function("ABC", 0, 20));
    }
}
```

23. Options: *

Mark only one oval.

- ☐ First
- ☐ Second
- ☐ ABC
- ☐ Compilation Error

24. 20. Which is the file extension used for a public Java class source code? *

Mark only one oval.

- ☐ .j
- ☐ .java
- ☐ .jdk
- ☐ .class

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