*MSSV:51900491*

*Tên:Cao Nguyễn Kỳ Duyên*

**Java Exception Handling**

**Question 1**

**Predict the output of following Java program**

class Main {

public static void main(String args[]) {

try {

throw 10;

}

catch(int e) {

System.out.println("Got the Exception " + e);

}

}

}

A.Got the Exception 10

B.Got the Exception 0

**C.Compiler Error**

**Question 2**

class Test extends Exception { }

class Main {

public static void main(String args[]) {

try {

throw new Test();

}

catch(Test t) {

System.out.println("Got the Test Exception");

}

finally {

System.out.println("Inside finally block ");

}

}

}

**A.Got the Test Exception**

**Inside finally block**

B.Got the Test Exception

C.Inside finally block

D.Compiler Error

**Question 3**

**Output of following Java program?**

class Main {

public static void main(String args[]) {

int x = 0;

int y = 10;

int z = y/x;

}

}

A.Compiler Error

B Compiles and runs fine

**C.Compiles fine but throws ArithmeticException exception**

**Question 4**

class Base extends Exception {}

class Derived extends Base {}

public class Main {

public static void main(String args[]) {

// some other stuff

try {

// Some monitored code

throw new Derived();

}

catch(Base b) {

System.out.println("Caught base class exception");

}

catch(Derived d) {

System.out.println("Caught derived class exception");

}

}

}

A.Caught base class exception

B.Caught derived class exception

C.Compiler Error because derived is not throwable

**D.Compiler Error because base class exception is caught before derived class**

**Question 5**

class Test

{

public static void main (String[] args)

{

try

{

int a = 0;

System.out.println ("a = " + a);

int b = 20 / a;

System.out.println ("b = " + b);

}

catch(ArithmeticException e)

{

System.out.println ("Divide by zero error");

}

finally

{

System.out.println ("inside the finally block");

}

}

}

A.Compile error

B.Divide by zero error

**C.a = 0**

**Divide by zero error**

**inside the finally block**

D.a = 0

E.inside the finally block

**Question 6**

class Test

{

public static void main(String[] args)

{

try

{

int a[]= {1, 2, 3, 4};

for (int i = 1; i <= 4; i++)

{

System.out.println ("a[" + i + "]=" + a[i] + "n");

}

}

catch (Exception e)

{

System.out.println ("error = " + e);

}

catch (ArrayIndexOutOfBoundsException e)

{

System.out.println ("ArrayIndexOutOfBoundsException");

}

}

}

**A.Compiler error**

B.Run time error

C.ArrayIndexOutOfBoundsException

D.Error Code is printed

E.Array is printed

**Question 7**

**Predict the output of the following program.**

class Test

{

String str = "a";

void A()

{

try

{

str +="b";

B();

}

catch (Exception e)

{

str += "c";

}

}

void B() throws Exception

{

try

{

str += "d";

C();

}

catch(Exception e)

{

throw new Exception();

}

finally

{

str += "e";

}

str += "f";

}

void C() throws Exception

{

throw new Exception();

}

void display()

{

System.out.println(str);

}

public static void main(String[] args)

{

Test object = new Test();

object.A();

object.display();

}

}

A.abdef

**B.abdec**

C.abdefc

**Question 8**

**Predict the output of the following program.**

class Test

{ int count = 0;

void A() throws Exception

{

try

{

count++;

try

{

count++;

try

{

count++;

throw new Exception();

}

catch(Exception ex)

{

count++;

throw new Exception();

}

}

catch(Exception ex)

{

count++;

}

}

catch(Exception ex)

{

count++;

}

}

void display()

{

System.out.println(count);

}

public static void main(String[] args) throws Exception

{

Test obj = new Test();

obj.A();

obj.display();

}

}

A.4

**B.5**

C.6

D.Compilation error

**Question 9**

**Which of these is a super class of all errors and exceptions in the Java language?**

A.RunTimeExceptions

**B.Throwable**

C.Catchable

D.None of the above

**Question 10**

**The built-in base class in Java, which is used to handle all exceptions is**

A.Raise

B.Exception

C.Error

**D. Throwable**