**Core Java, Quiz-12, Date: 25/09/2018**

**1. The class at the top of exception class hierarchy is .................**

A. ArithmeticException

B. Throwable

C. Object

D. Exception

B. Throwable

**2. In which of the following package Exception class exist?**

A. java.util

B. java.file

C. java.io

D. java.lang

E. java.net

D. java.lang

**3. Exception generated in try block is caught in ........... block.**

A. catch

B. throw

C. throws

D. finally

A. catch

**4. Which keyword is used to explicitly throw an exception?**

A. try

B. throwing

C. catch

D. throw

D. throw

**5. Which exception is thrown when divide by zero statement executes?**

A. NumberFormatException

B. ArithmeticException

C. NullPointerException

D. None of these

B. ArithmeticException

**6. Which keyword is used to specify the exception thrown by method?**

A. catch

B. throws

C. finally

D. throw

B. throws

**7.**

**public class Test{**

**public static void main(String args[]){**

**try{**

**int a = Integer.parseInt("four");**

**}**

**}**

**}**

**Which exception could be handled by the catch block for above?**

A. IllegalStateException

B. NumberFormatException

C. ClassCastException

D. ArrayIndexOutOfBoundsException

E. None of these

**8.**

**public class Test{**

**public static void main(String args[]){**

**try{**

**int i;**

**return;**

**}**

**catch(Exception e){**

**System.out.print("inCatchBlock");**

**}**

**finally{**

**System.out.println("inFinallyBlock");**

**}**

**}**

**}**

A. inCatchBlock

B. inCatchBlock inFinallyBlock

C. inFinallyBlock

D. The program will return without printing anything

C. inFinallyBlock

**9.**

**public class Test{**

**public static void main(String args[]){**

**try{**

**String arr[] = new String[10];**

**arr = null;**

**arr[0] = "one";**

**System.out.print(arr[0]);**

**}catch(Exception ex){**

**System.out.print("exception");**

**}catch(NullPointerException nex){**

**System.out.print("null pointer exception");**

**}**

**}**

**}**

A. "one" is printed.

B. "exception" is printed.

C. "null pointer exception" is printed.

D. Compilation fails saying NullPointerException has already been caught.

E. None of these

D. Compilation fails saying NullPointerException has already been caught.

10.

**try{**

**File f = new File("a.txt");**

**}catch(Exception e){**

**}catch(IOException io){**

**}**

Is this code create new file name a.txt ?

A. true

B. false

C. Compilation Error

D. None of these

C. Compilation Error

**11. Which of the following blocks execute compulsorily whether exception is caught or not.**

A. finally

B. catch

C. throws

D. throw

A. finally

**12. What happen in case of multiple catch blocks?**

A. Either super or subclass can be caught first.

B. The superclass exception must be caught first.

C. The superclass exception cannot caught first.

D. None of these

C. The superclass exception cannot caught first.

**13. Which exception is thrown when an array element is accessed beyond the array size?**

A. ArrayElementOutOfBounds

B. ArrayIndexOutOfBoundsException

C. ArrayIndexOutOfBounds

D. None of these

B. ArrayIndexOutOfBoundsException

# 14. What is the output of the following program code?

**public class Test{**

**public static void main(String args[]){**

**try{**

**int i;**

**return;**

**}**

**catch(Exception e){**

**System.out.print("inCatchBlock");**

**}**

**finally{**

**System.out.println("inFinallyBlock");**

**}**

**}**

**}**

A. inCatchBlock

B. inCatchBlock inFinallyBlock

C. inFinallyBlock

D. The program will return without printing anything

C. inFinallyBlock

# 15. Given the following piece of code:

**class SalaryCalculationException extends Exception{}**

**class Person{**

**public void calculateSalary() throws SalaryCalculationException{**

**//...**

**throw new SalaryCalculationException();**

**//...**

**}**

**}**

**class Company{**

**public void paySalaries(){**

**new Person().calculateSalary();**

**}**

**}**

Which of the following statements is correct?  
1. This code will compile without any problems.  
2. This code will compile if in method paySalaries() we return a boolean in stead of void.  
3. 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().

A. 1 and 4

B. 2 and 3

C. 2 and 4

D. 3 and 4

E. 1 and 2

D. 3 and 4

# 16. What will be the output of the following piece of code:

**class Person{**

**public void talk() {}**

**}**

**public class Test{**

**public static void main(String args[]){**

**Person p = null;**

**try{**

**p.talk();**

**}**

**catch(NullPointerException e){**

**System.out.print("There is a NullPointerException. ");**

**}**

**catch(Exception e){**

**System.out.print("There is an Exception. ");**

**}**

**System.out.print("Everything went fine. ");**

**}**

**}**

A. There is a NullPointerException. Everything went fine.

B. There is a NullPointerException.

C. There is a NullPointerException. There is an Exception.

D. This code will not compile, because in Java there are no pointers.

# 17. Determine output of the following program code?

**public class Test{**

**public static void main(String args[]){**

**int i;**

**try{**

**i = calculate();**

**System.out.println(i);**

**}catch(Exception e){**

**System.out.println("Error occured");**

**}**

**}**

**static int calculate(){**

**return (7/2);**

**}**

**}**

A. 3

B. 3.5

C. Error occured

D. Compilation Error

E. None of these

A. 3

**18.**

**public class Test{**

**public static void main(String args[]){**

**try{**

**int a = Integer.parseInt("four");**

**}**

**}**

**}**

Which exception could be handled by the catch block for above?

A. IllegalStateException

B. NumberFormatException

C. ClassCastException

D. ArrayIndexOutOfBoundsException

E. None of these

B. NumberFormatException

**19. What will be the output? l be the output?**

**class MyClass{**

**public String test(){**

**try{**

**System.out.print("One");**

**return "";**

**}**

**finally{**

**System.out.print("Two");**

**}**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**MyClass m = new MyClass();**

**m.test();**

**}**

**}**

A. One

B. Two

C. One Two

D. Compilation Error

E. None of these

C. One Two

**20. What will be the result after compiling this code?**

**class SuperClass{**

**public int doIt(String str, Integer... data)throws Exception{**

**String signature = "(String, Integer[])";**

**System.out.println(str + " " + signature);**

**return 1;**

**}**

**}**

**public class Test extends SuperClass{**

**public int doIt(String str, Integer... data){**

**String signature = "(String, Integer[])";**

**System.out.println("Overridden: " + str + " " +signature);**

**return 0;**

**}**

**public static void main(String... args){**

**SuperClass sb = new Test();**

**sb.doIt("hello", 3);**

**}**

**}**

A. Overridden: hello (String, Integer[])

B. hello (String, Integer[])

C. Compilation fails

D. None of these

C. Compilation fails

**21. What is the output for the below code ?**

**import java.io.FileNotFoundException;**

**class A{**

**public void printName() throws FileNotFoundException{**

**System.out.println("Value-A");**

**}**

**}**

**class B extends A{**

**public void printName() throws NullPointerException{**

**System.out.println("Name-B");**

**}**

**}**

**public class Test{**

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

**A a = new B();**

**a.printName();**

**}**

**}**

A. Value-A

B. Compilation fails-Exception NullPointerException is not compatible with throws clause in A.printName()

C. Name-B

D. Compilation succeed but no output

E. None of these

C. Name-B

**22.**

**try{**

**File f = new File("a.txt");**

**}catch(Exception e){**

**}catch(IOException io){**

**}**

Is this code create new file name a.txt ?

A. true

B. false

C. Compilation Error

D. None of these

C. Compilation Error

**23. What is the output for the below code ?**

**import java.io.FileNotFoundException;**

**class A{**

**public void printName() throws FileNotFoundException{**

**System.out.println("Value-A");**

**}**

**}**

**class B extends A{**

**public void printName() throws NullPointerException{**

**System.out.println("Name-B");**

**}**

**}**

**public class Test{**

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

**A a = new B();**

**a.printName();**

**}**

**}**

**A.** Value-A

B. Compilation fails-Exception NullPointerException is not compatible with throws clause in A.printName()

C. Name-B

D. Compilation succeed but no output

E. None of these

C. Name-B

**24. What will be the result of executing the following code?**

**public class Test{**

**public void divide(int a, int b){**

**try{**

**int c = a / b;**

**}catch(Exception e){**

**System.out.print("Exception ");**

**}finally{**

**System.out.println("Finally");**

**}**

**public static void main(String args[]){**

**Test t = new Test();**

**t.divide(0,3);**

**}**

**}**

**A.** Prints out: Exception

B. Prints out: Exception Finally

C. Compile with error

D. Prints out: Finally

E. None of these

D. Prints out: Finally

**25. Which of the below statement is/are true about Error?**  
A. An Error is a subclass of Throwable.  
B. An Error is a subclass of Exception.  
C. Error indicates serious problems that a reasonable application should not try to catch.  
D. An Error is a subclass of IOException.

A. A and D

B. A and B

C. A and C

D. B and C

E. B and D

B. A and B

**26. Predict the output:**

**public class Test{**

**public static void main(String args[]){**

**try{**

**String arr[] = new String[10];**

**arr = null;**

**arr[0] = "one";**

**System.out.print(arr[0]);**

**}catch(Exception ex){**

**System.out.print("exception");**

**}catch(NullPointerException nex){**

**System.out.print("null pointer exception");**

**}**

**}**

**}**

**A**. "one" is printed.

B. "exception" is printed.

C. "null pointer exception" is printed.

D. Compilation fails saying NullPointerException has already been caught.

E. None of these

D. Compilation fails saying NullPointerException has already been caught.

# 27. Given the code. What is the result when this program is executed?

**public class Test{**

**static int x[];**

**static{**

**x[0] = 1;**

**}**

**public static void main(String args[]){**

**}**

**}**

A. ArrayIndexOutOfBoundsException is thrown

B. ExceptionInInitializerError is thrown

C. IllegalStateException is thrown

D. StackOverflowException is thrown

E. None of these

B. ExceptionInInitializerError is thrown

**28. What will be the result if NullPointerException occurs at line 2?**

**1. try{**

**2. //some code goes here**

**3. }**

**4. catch(NullPointerException ne){**

**5. System.out.print("1 ");**

**6. }**

**7. catch(RuntimeException re){**

**8. System.out.print("2 ");**

**9. }**

**10. finally{**

**11. System.out.print("3");**

**12. }**

A. 1

B. 3

C. 2 3

D. 1 3

E. 1 2 3

D. 1 3

**29. What will be the result after the class Test execution?**

**class A{**

**public void doA(){**

**B b = new B();**

**b.dobB();**

**System.out.print("doA");**

**}**

**}**

**class B{**

**public void dobB(){**

**C c = new C();**

**c.doC();**

**System.out.print("doB");**

**}**

**}**

**class C{**

**public void doC(){**

**if(true)**

**throw new NullPointerException();**

**System.out.print("doC");**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**try{**

**A a = new A();**

**a.doA();**

**}catch(Exception ex){**

**System.out.print("error");**

**}**

**}**

**}**

**A**. "doCdoBdoA" is printed

B. "doAdoBdoC" is printed

C. "doBdoAerror" is printed

D. "error" is printed

E. nothing is printed

D. "error" is printed