**Evaluation First Set Question Paper**

**[Multiple choice 10 questions 25 minutes]**

1. **To make a variable defined in a class accessible only to methods defined in the classes in the same package, which of the following keyword should be used. Select the one correct answer**

(A) By using the keyword public before the variable.

(B) By using the keyword protected before the variable.

(C) By using the keyword private before the variable.

(D) The variable should not be preceded by any of the above mentioned keywords.

1. **Select the correct answer**

**public** **class** Test {

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

**int** i = 0;

**boolean** t = **true**;

**boolean** f = **false**, b;

b = (t || ((i++) == 0));

b = (f || ((i+=2) > 0));

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

}

}

(A) 0

(B) 1

(C) 2

(D) 3

1. **Which of the following statements are true. Select the two correct answers.**

#### a. The wait method defined in the Thread class, can be used to convert a thread from Running state to Waiting state.

#### b. The wait(), notify(), and notifyAll() methods must be executed in synchronized code.

#### c. The notify() and notifyAll() methods can be used to signal and move waiting threads to ready-to-run state.

#### d. The Thread class is an abstract class.

(A) a, c

(B) a, d

(C) b, c

(D) c, d

1. **In which all cases does an exception gets generated. Select the two correct answers.**

#### int i = 0, j = 1;

#### a. if((i == 0) || (j/i == 1))

#### b. if((i == 0) | (j/i == 1))

#### c. if((i != 0) && (j/i == 1))

#### d. if((i != 0) & (j/i == 1))

#### ANS: b,d

1. **String s = new String("xyz");**

**Assuming the above declaration, which of the following statements would compile. Select the one correct answer.**

(A) s = 2 \* s;

(B) int i = s[0];

(C) s = s + s;

(D) s = s >> 2;

1. **Select the correct answer**

**public** **class** Test {

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

**int** i=1, j=1;

**try** {

i++;

j--;

**if**(i == j)

i++;

}

**catch**(ArithmeticException e) {

System.***out***.println(0);

}

**catch**(ArrayIndexOutOfBoundsException e) {

System.***out***.println(1);

}

**catch**(Exception e) {

System.***out***.println(2);

}

**finally** {

System.***out***.println(3);

}

System.***out***.println(4);

}

}

a. 0

b. 1

c. 2

d. 3

e. 4

(A) a,d,c

(B) b,c,a

(C) d,e

(D) a,b

1. **Select the correct answer**

**public** **class** Test {

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

String s1 = "abc";

String s2 = "abc";

**if**(s1 == s2)

System.***out***.println(1);

**else**

System.***out***.println(2);

**if**(s1.equals(s2))

System.***out***.println(3);

**else**

System.***out***.println(4);

}

}

(A) 1 2

(B) 1 3

(C) 1 4

(D) 2 3

#### Which of the following statements declare class Sample to belong to the payroll.admindept package?

(A) package payroll;package admindept;

(B) package payroll.admindept.Sample;

(C) package payroll.admindept;

(D) import payroll.admindept.\*

1. **Select one correct answer**

(A) Each Java file must have exactly one package statement to specify where the class is stored.

(B) If a Java file has both import and package statement, the import statement must come before package statement.

(C) A Java file has at least one class defined.

(D) If a Java file has a package statement, it must be the first statement (except comments).

#### What all gets printed when the following gets compiled and run. Select the two correct answers.

#### public class example {

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

#### int x = 0;

#### if(x > 0) x = 1;

#### switch(x) {

#### case 1: System.out.println(1);

#### case 0: System.out.println(0);

#### case 2: System.out.println(2);

#### break;

#### case 3: System.out.println(3);

#### default: System.out.println(4);

#### break;

#### }

#### }

#### }

#### 

(A) 1, 0, 2

(B) 3, 4

(C) 0, 2

(D) 1