Aptitude test-1

1.A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, what was the son's age five years back?

A. 20 years   B. 18 Years   C.14 Years   D.22 Years

2.A man buys a scooter for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the scooter?

A. Rs. 1240   B. Rs. 1190   C. Rs. 1090   D. Rs.1130

3.What is the probability of getting a number less than 4 when a die is rolled?

A.12   B.16   C.13   D.14

Logic test:

Each problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

4.Tanya is older than Eric.Cliff is older than Tanya.Eric is older than Cliff.If the first two statements are true, the third statement is?

A. true   B. False   C. uncertain

5.A four-person crew from Classic Colors is painting Mr. Field's house. Michael is painting the front of the house. Ross is in the alley behind the house painting the back. Jed is painting the window frames on the north side, Shawn is on the south. If Michael switches places with Jed, and Jed then switches places with Shawn, where is Shawn?

A. in the alley behind the house .   B. on the north side of the house

    C. in front of the house   D. on the south side of the house

Time and Distance

6.A and B walk around a circular track. A and B walk at a speed of 2 rounds per hour and 3 rounds per hour respectively. If they start at 8 a.m. from the same point in opposite directions, how many times shall they cross each other before 9.30 a.m.?

A. 5   B.6   C.7   D.8

7.If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. What is the actual distance travelled by him?

A. 50   B.60   C.70   D.80

Logical Reasoning

8.At a party, everyone shook hands with everybody else. There were 66 handshakes.How many people were there in that party?

A. 10   B.24   C.07   D.33

9.A snail is at the bottom of a 20 meters deep pit. Every day the snail climbs 5 meters upwards, but at night it slides 4 meters back downwards. How many days it takes before the snail reaches the top of the pit?

A. 15   B.24   C.08   D,16

10.Zachary has invited his three buddies over to watch the basketball game on his wide-screen television.They are all hungry, but no one wants to leave to get food. Just as they are arguing about who should make the food run, a commercial comes on for a local pizze-ria that delivers. The phone number flashes on the screen briefly and they all try to remember it. By the time Zachary grabs a pen and paper, each of them recollects a different number.

#1: All of the men agree that the first three numbers are 995.

#2: Three of them agree that the fourth number is 9.

#3: Three agree that the fifth number is 2.

#4: Three agree that the sixth number is 6; three others agree that the seventh number is also 6.Which of the numbers is most likely the telephone number of the pizzeria?

A. 995-9266   B. 995-9336 C. 995-9268 D. 995-8266

11. What will be the output of the program?

```
class Test
{.
   public static void main(String[] args)
   {
      int i1 = 5;
      int i2 = 6;
      String s1 = "7";
      System.out.println(i1 + i2 + s1); /* Line 8 */
   }
}
```

A.18   B.117   C.567   D.Compiler error at line no 8

true
false

18. Which of the following is illegal?

A. int i = 32; B. float f = 45.0; C. double d = 45.0; ·

19. What is the correct declaration of an abstract method that is intended to be public:

A. public abstract void add();
B. public abstract void add() {} .
C. public virtual add();
D. public abstract add();

20. Which methods may not cause a thread to stop executing?

A. sleep();   B. stop();   C. yield();   D. wait();   E. notify();

21. which of the storage class)es) becomes the global variables for the entire program?
   A. Extern   B. Static   C. Auto   D. Register

22. what is the worng with below code?
Double d:
Scanf("%f", &d):
A. Instead of %f, %lf should be used for formatting
B. Instead of %f, %d should be used for formatting -
C. Instead of %f, %D should be used for formatting
D. Instead of %f, %n should be used for formatting.

23. The key word used in SQL for searching by columns of type text is:
A. LIKE   B. NVL   C. GROUP BY   D. HAVING

24. What is the true about the following C functions?
A. Need not return any value   B. Should always return an integer. ·
C. Should always return a float.   D. Shold always return more than one value.·
25. Which is reserved workd in the Java programming language?
A. method   B. Native   C. Subclasses   D. Reference

26. If class A implements an interface does it need to implement all methods of that interface?
A. Yes, always   B. No, not when A is abstract   C. Both of the above D. None of the above

27.
class Parent
{
   protected void x(){}

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

class Triangle extends Figure {
    public static void print() {
        System.out.println("TRIANGLE");
    }
}
```

What will be the output of this program?

A. FIGURE FIGURE FIGURE

B. FIGURE FIGURE TRIANGLE

C. FIGURE TRIANGLE TRIANGLE

D. None of the above.

30.
```
public class Test {
    public static void main(String[] args) {
        int lines = 5;
        for (int i = 0; i < lines; i++)
        {
            for (int j = lines - i + 1; j >= i; j--)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}
```

What will be the output of this program?

A.
```
*****
****
***
**
*
```

B.
```
*******
*****
***
*
```

C.
```
*
**
***
****
*****
```

D.
```
*****
*****
*****
*****
*****
```

Aptitude test-2

1.A person who decided to go weekend trip should not exceed 8 hours driving in a day Average speed of forward journey is 40 mph. due to traffic in sundays, the return journey average speed is 30mph. How far he can select a picnic spot.

A. 120 miles   B. 100 miles   C. 80 miles   D. 160 miles

2.Which of the following is larger than 3/5?

A. ½ B. 39/50 C. 7/25 D. 3/10

3.Two trains are moving in opposite directions @ 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is:

A. 36 B. 45 C. 48 D. 49

4.From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

A. 564   B. 645   C. 735 D. 756

5.In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together?

A. 360   B. 480   C. 720 D. 5040

Find the statement that must be true according to the given information.

6.Vincent has a paper route. Each morning, he delivers 37 newspapers to customers in his neighborhood. It takes Vincent 50 minutes to deliver all the papers. If Vincent is sick or has other plans, his friend Thomas, who lives on the same street, will sometimes deliver the papers for him.

A.   Vincent and Thomas live in the same neighborhood.

B.   It takes Thomas more than 50 minutes to deliver the papers.

C.   It is dark outside when Vincent begins his deliveries.

D.   Thomas would like to have his own paper route.

7.The angle of elevation of the sun, when the length of the shadow of a tree 3 times the height of the tree, is:

A. 30º   B.45º   C. 160º   D.60º

8.On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

A.   Rs. 45

B.   Rs. 50

C.   Rs. 55

D.   Rs. 60

9.Sam purchased 20 dozens of toys at the rate of Rs. 375 per dozen. He sold each one of them at the rate of Rs. 33. What was his percentage profit?

A.   3.5

B.   4.5

C.   5.6

D.   6.5

10.A clock is started at noon. By 10 minutes past 5, the hour hand has turned through:

A.   145º

B.   150º

C.   155º

D.   160º

11. What will be the output of the program?

```
class Test
{
  public static void main(String[] args)
  {
    int i1 = 5;
    int i2 = 6;
    String s1 = "7";
    System.out.println(i1 + i2 + s1); /* Line 8 */
  }
}
```

A.18   B.117   C.567   D.Compiler error at line no 8

12. What will be the output of the program?

```
public class Test.
{
  private static float[] f = new float[2];
  public static void main (String[] args)
  {
    System.out.println("f[0] = " + f[0]);
  }
}
```

13. What will be the output of the program?

```
String x = "xyz";
x.toUpperCase(); /* Line 2 */
String y = x.replace('Y', 'y');
y = y + "abc";
System.out.println(y);
```

A.abcXyZ   B.abcxyz   C.xyzabc   D.XyZabc

14. What is the output of the following program?

```
class Operators
{
    public static void main(String[] args)
    {
        double x=6;
        int y=5,z=2;
        x= y++ + ++x/z;
        System.out.println(x);
    }
}
```

A.9   B.8   C.8.5   D.None of the Above

15. What is the output of the following program?

```
public class ForLoop
{
    public static void main(String[] args)
    {
        int i=10;
        for(int i=0;i<5;i++)
        {
            System.out.println("i="+i);
        }
        System.out.println("i="+i);
    }
}
```

A.
i=0
i=1
i=2
i=3

i=4
i=10

B.
i=0
i=1
i=2
i=3
i=4
i=5

C.Compilation Error

D.None of the Above

16. Which of the following is NOT a Java Keyword?
A.abstract   B.native   C.package   D.synchronize

17. What is the output of the following

```
StringBuffer sb1 = new StringBuffer("Amit");
StringBuffer sb2= new StringBuffer("Amit");
String ss1 = "Amit";
System.out.println(sb1==sb2);
System.out.println(sb1.equals(sb2));
System.out.println(sb1.equals(ss1));
```

A false
 false
 false

B false
 true
C Compiler Error

D true
 true
 false

18. Which of the following is illegal?

A. int i = 32; B. float f = 45.0;   C. double d = 45.0;

19. What is the correct declaration of an abstract method that is intended to be public:

D.public abstract add();

20. Which methods may not cause a thread to stop executing?

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21.which of the storage class)es) becomes the global variables for the entire program?
　　A. Extern　　　　　B. Static　　　　　C. Auto　　　　　D. Register

22.what is the worng with below code?
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26. If class A implements an interface does it need to implement all methods of that interface?
A. Yes, always　　　　B. No, not when A is abstract　　　C. Both of the above D. None of the
above

27.
```
class Parent
{
  protected void x(){}
  public void y(){}
}
public class Child extends Parent
{
  public void x(){}
  protected void y(){}
}
```
A. It compiles successfully
B. Compilation error – x can't have its visibility increased
C. Compilation error – y can not have its visibility reduced
D. Compilation error – neither x nor y can have their visibility changed

(Test - 2)

28.
```java
public class Test {
    public static void main(String[] args) {
        Figure f1 = new Figure();
        f1.print();
        Figure f2 = new Triangle();
        f2.print();
        Triangle t = new Triangle();
        t.print();
    }
}

class Figure {
    public void print() {
        System.out.println("FIGURE");
    }
}

class Triangle extends Figure {
    public void print() {
        System.out.println("TRIANGLE");
    }
}
```
What will be the output of this program?

A. FIGURE FIGURE FIGURE   B. FIGURE FIGURE TRIANGLE

C. FIGURE TRIANGLE TRIANGLE   D. None of the above.

29.
```java
public class Test {
    public static void main(String[] args) {
        Figure f1 = new Figure();
        f1.print();
        Figure f2 = new Triangle();
        f2.print();
        Triangle t = new Triangle();
        t.print();
    }
}

class Figure {
    public static void print() {
        System.out.println("FIGURE");
    }
}

class Triangle extends Figure {
    public static void print() {
        System.out.println("TRIANGLE");
    }
}
```
What will be the output of this program?

A. FIGURE FIGURE FIGURE   B. FIGURE FIGURE TRIANGLE

C. FIGURE TRIANGLE TRIANGLE   D. None of the above.

30.

```java
public class Test {
    public static void main(String[] args) {
        int lines = 5;
        for (int i = 0; i < lines; i++)
        {
            for (int j = lines - i + 1; j >= i; j--)
            {
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            }
            System.out.println();
        }
    }
}
```

What will be the output of this program?

A.
```
*****
****
***
**
*
```

B.
```
*******
*****
***
*
```

C.
```
*
**
***
****
*****
```

D.
```
*****
*****
*****
*****
*****
```