

Wipro Test 3

1

In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.

After driving professor Kumar to the museum she dropped him at his hotel.

- After being driven to the museum, Professor Kumar was dropped at his hotel.
- Professor Kumar was being driven dropped at his hotel.
- After she had driven Professor Kumar to the museum she had dropped him at his hotel.
- After she was driven Professor Kumar to the museum she had dropped him at his hotel.

2

I remember my sister taking me to the museum.

- I remember I was taken to the museum by my sister.
- I remember being taken to the museum by my sister.
- I remember myself being taken to the museum by my sister.
- I remember taken to the museum by my sister.

3

Who is creating this mess?

- Who has been created this mess?
- By whom has this mess been created?
- By whom this mess is being created?
- By whom is this mess being created?

4

They greet me cheerfully every morning.

- Every morning I was greeted cheerfully.
- I am greeted cheerfully by them every morning.
- I am being greeted cheerfully by them every morning.
- Cheerful greeting is done by them every morning to me.

5

Darjeeling grows tea.

- Tea is being grown in Darjeeling.
- Let the tea be grown in Darjeeling.
- Tea is grown in Darjeeling.

Tea grows in Darjeeling.

6

In the following the questions choose the word which best expresses the meaning of the given word.

WARY

- Sad
- Sad
- Distorted
- Tired

7

RABBLE

- Mob
- Noise
- Roar
- Roar

8

MAYHEM

- Jubilation
- Havoc
- Excitement
- Defeat

9

In the following questions choose the word which is the exact OPPOSITE of the given words.

HYPOCRITICAL

- Gentle
- Sincere
- Amiable
- Dependable

10

FICKLE

- Courageous
- Sincere

- Steadfast
- Humble

11

The following questions, consist of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.

Plants : Coal

- Crops : Manure
- Animals : Oil
- Cow : Milk
- Fire : Smoke

12

Rectangle : Cylinder

- Square : Sphere
- Circle : Disc
- Triangle : Cone
- Wall : Room

13

Graphite : Lubricant

- Movement : Friction
- Iron : Steel
- Wool : Cloth
- Diamond : Abrasive

14

Pick out the most effective word from the given words to fill in the blank to make the sentence meaningfully complete

A man who connivesthe faults of his children is their worst enemy

- with
- at
- of
- in

15

Some people revel.....gossip.

- at

- with
- by
- in

16

The officer warned me.....the office until five O'clock.

- don't leave
- to leave
- to not leave
- not to leave

17

A number when divided by 19, gives the quotient 19 and remainder 9. Find the number.

- 370
- 270
- 470
- 290

18

The average age of 30 kids is 9 years. If the teacher's age is included, the average age becomes 10 years. What is the teacher's age? Total age of 30 children = $30 \times 9 = 270$ yrs.

- 30
- 25
- 40
- none

Explanation: Average age of 30 children and 1 teacher = 10 yrs

Total of their ages = $31 \times 10 = 310$ yrs Teacher's age = $310 - 270 = 40$

19

A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in

- 15 days
- 20 days
- 25 days
- 30 days

Explanation:

$$(A + B)\text{'s 1 day's work} = \frac{1}{10}$$

$$C\text{'s 1 day's work} = \frac{1}{50}$$

$$(A + B + C)\text{'s 1 day's work} = \left(\frac{1}{10} + \frac{1}{50}\right) = \frac{6}{50} = \frac{3}{25} \dots (i)$$

$$A\text{'s 1 day's work} = (B + C)\text{'s 1 day's work} \dots (ii)$$

$$\text{From (i) and (ii), we get: } 2 \times (A\text{'s 1 day's work}) = \frac{3}{25}$$

$$\Rightarrow A\text{'s 1 day's work} = \frac{3}{50}$$

$$\therefore B\text{'s 1 day's work} \left(\frac{1}{10} - \frac{3}{50}\right) = \frac{2}{50} = \frac{1}{25}$$

20

Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is

- () 1 : 3
- () 3 : 2
- () 3 : 4
- () None of these

Explanation:

Let the speeds of the two trains be x m/sec and y m/sec respectively.

Then, length of the first train = $27x$ metres,

and length of the second train = $17y$ metres.

$$\therefore \frac{27x + 17y}{x + y} = 23$$

$$\Rightarrow 27x + 17y = 23x + 23y$$

$$\Rightarrow 4x = 6y$$

$$\Rightarrow \frac{x}{y} = \frac{3}{2}$$

21

Two trains of equal length are running on parallel lines in the same direction at 46 km/hr and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each train is:

- 50 m
- 72 m
- 80 m
- 82 m

Explanation: Let the length of each train be x metres.

Then, distance covered = $2x$ metres. Relative speed = $(46 - 36)$ km/hr

$$= (10 \times \frac{5}{18}) \text{ m/sec}$$

$$= (\frac{25}{9}) \text{ m/sec}$$

$$\frac{2x}{36} = \frac{25}{9}$$

$$= 2x = 100 = x = 50.$$

22

A jogger running at 9 kmph alongside a railway track in 240 metres ahead of the engine of a 120 metres long train running at 45 kmph in the same direction. In how much time will the train pass the jogger?

- 3.6 sec
- 18 sec
- 36 sec
- 72 sec

Explanation: Explanation:

Speed of train relative to jogger = $(45 - 9)$ km/hr = 36 km/hr.

$$= (36 \times \frac{5}{18}) \text{ m/sec}$$

= 10 m/sec. Distance to be covered = $(240 + 120)$ m = 360 m.

$$\text{Time taken} = (\frac{360}{10}) \text{ sec} = 36 \text{ sec.}$$

23

A and B are children of D. Who is the father of A? To answer this question which of the statements (1) and (2) is necessary? 1. C is the brother of A and the son of E. 2. F is the mother B.

- Only (1)
- Only (2)
- Either (1) or (2)
- (1) and (2) both

Explanation: A and B are children of D. From (1), C is the brother B and son of E. Since, the sex of D and E are not known. Hence (1) is not sufficient to answer the question. From (2). F is the mother of B. Hence, F is also the mother of A. Hence D is the father of A. Thus, (2) is sufficient to answer the question.

24

If P \$ Q means P is the brother of Q; P # Q means P is the mother of Q; P * Q means P is the daughter of Q in A # B \$ C * D, who is the father?

- () D
() B
() C
() Data is inadequate

Explanation: A is the mother of B, B is the brother of C and C is the daughter of D. Hence, D is the father

25

Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is:

- () $4 \times (4/7)$
() $5 \times (5/11)$
() 10%
() 12%

Explanation: Explanation:

Cost Price (C.P.) = Rs. (4700 + 800) = Rs. 5500. Selling Price (S.P.) = Rs. 5800. Gain = (S.P.) - (C.P.) = Rs. (5800 - 5500) = Rs. 300.

$$\text{Gain \%} = \left(\frac{300}{5500} \times 100 \right) \% = 5 \frac{5}{11} \%$$

26

The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:

- () 15
() 16
() 18
() 25

Explanation: Let C.P. of each article be Re. 1 C.P. of x articles = Rs. x.

S.P. of x articles = Rs. 20. Profit = Rs. (20 - x).

$$\Rightarrow \left(\frac{20 - x}{x} \times 100 = 25 \right)$$

$$\Rightarrow 2000 - 100x = 25x \quad 125x = 2000 \Rightarrow x = 16.$$

27

At a party, everyone shook hands with everybody else. There were 66 handshakes. How many people were at the party

- 11
- 12
- 13
- 10

Explanation: With two people, there is one handshake. With three people, there are three handshakes. With four people, there are six handshakes. In general, with $n+1$ people, the number of handshakes is the sum of the first n consecutive numbers: $1+2+3+\dots+n$. Since this sum is $n(n+1)/2$, we need to solve the equation $n(n+1)/2 = 66$. This is the quadratic equation $n^2+n-132 = 0$. Solving for n , we obtain 11 as the answer and deduce that there were 12 people at the party.

28

Joyce has bought ten trees for her garden. She wants to plant these trees in five rows, with four trees in each row. How must Joyce plant the trees (Its like a figure

- Square
- Star
- Rectangle
- Its not possible

Explanation: The trees must be planted on the edges of a five pointed star as shown in the figure below.



29

The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child .

- 5
- 10
- 4
- 1

Explanation: Explanation: Let the ages of children be x , $(x + 3)$, $(x + 6)$, $(x + 9)$ and $(x + 12)$ years. Then, $x + (x + 3) + (x + 6) + (x + 9) + (x + 12) = 50$ i.e. $5x = 20$ and $x = 4$. So, the age of the youngest child (x) is 4 years.

30

A customer pays `1,100 in taxes on a newly purchased TV. What is the price of the TV if the rate of tax is 8.9%?

- `9,765.45
- 10,876.90
- 12,359.55
- `14,345.48

Explanation: The tax is 8.9% which is equivalent to `1,100. If the value of the car is x , then $8.9\%(x) = 1100$
 $x = 1100 / 8.9 \times 100 \approx 110000 / 9 \times 110 / 9 = 12,359.55$, the only option that starts with 12 is option C. Therefore the answer is `12,359.55

31

The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?

- 69
- 78
- 96
- Cannot be determined

Explanation: Explanation:

Let the ten's digit be x and unit's digit be y . Then, $x + y = 15$ and $x - y = 3$ or $y - x = 3$. Solving $x + y = 15$ and $x - y = 3$, we get: $x = 9, y = 6$. Solving $x + y = 15$ and $y - x = 3$, we get: $x = 6, y = 9$. So, the number is either 96 or 69. Hence, the number cannot be determined.

32

Which of the following is the correct order of evaluation for the below expression? $z = x + y * z / 4 \% 2 - 1$

- $* / \% + - =$
- $= * / \% + -$
- $/ * \% - + =$
- $* \% / - + =$

Explanation: C uses left associativity for evaluating expressions to break a tie between two operators having same precedence.

33

Convert the infix to postfix for $A-(B+C)*(D/E)$

- ABC+DE*/
- ABC+DE/*
- +ABC/*DE
- None of these

34

Which one is the Image file extension

- .avi
- .jpg
- mp4
- .doc

35

consider the following program:

```
#include
class x {
public:
int a;
x();
};
x::x() { a=10; cout<
class b:public x {
public:
b();
};
b::b() { a=20; cout<
main ()
{ b temp;
}
```

what will be the output of this program?

- 10
- 20
- 22
- 30

36

```
int i,j;
for(i=0;i<=10;i++)
{
j+=5;
assert(i<5);
}
```

- Runtime error
- 6
- 5
- 10

Explanation: Runtime error: Abnormal program termination.
assert failed (i<5), ,

Explanation:

asserts are used during debugging to make sure that certain conditions are satisfied. If assertion fails, the program will terminate reporting the same. After debugging use,

```
#undef NDEBUG
```

and this will disable all the assertions from the source code. Assertion

is a good debugging tool to make use of.

37

An electron moving in an electromagnetic field moves in a

- In a straight path
- Along the same plane in the direction of its propagation
- Opposite to the original direction of propagation
- In a sine wave

38

What is the similarity between a structure, union and enumeration?

- All of them let you define new values
- All of them let you define new data types
- All of them let you define new pointers
- All of them let you define new structures

39

Declare the following statement? "An array of three pointers to chars".

- char *ptr[3]();
- char *ptr[3];
- char (*ptr[3])();
- char **ptr[3];

40

The software used to drive microprocessor-based systems is called:

- assembly language programs
- firmware
- BASIC interpreter instructions
- flowchart instructions

41

The technique of assigning a memory address to each I/O device in the SAM system is called:

- wired I/O
- I/O mapping
- dedicated I/O
- memory-mapped I/O

42

How many storage locations are available when a memory device has twelve address lines?

- 144
- 512
- 2048
- 4096

43

Find the SQL statement below that is equal to the following: SELECT NAME FROM CUSTOMER WHERE STATE = 'VA';

- SELECT NAME IN CUSTOMER WHERE STATE IN ('VA');
- SELECT NAME IN CUSTOMER WHERE STATE = 'VA';
- SELECT NAME IN CUSTOMER WHERE STATE = 'V';
- SELECT NAME FROM CUSTOMER WHERE STATE IN ('VA');

44

Which of the following indicates the maximum number of entities that can be involved in a relationship?

- Minimum cardinality
- Maximum cardinality
- ERD
- Greater Entity Count (GEC)

45

Piggy backing is a technique for

- Flow control
- Sequence
- Acknowledgement
- Restoration

46

```
void start()  
{  
A a = new A();  
B b = new B();  
a.s(b);  
b = null; /* Line 5 */ a = null; /* Line 6 */  
System.out.println("start completed"); /* Line 7 */  
}
```

When is the B object, created in line 3, eligible for garbage collection?

- after line 5
- after line 6
- after line 7
- There is no way to be absolutely certain.

Explanation: Option D is correct. I think there are too many unknowns about the method s and the classes A and B to be able to answer this question with any certainty.

47

What will be the output of the program?

```
public class Foo  
{  
public static void main(String[] args)  
{  
try  
{  
return; }  
finally  
{  
System.out.println( "Finally" );  
}  
}  
}
```

- Finally
- Compilation fails.
- The code runs with no output.
- An exception is thrown at runtime.

Explanation: If you put a finally block after a try and its associated catch blocks, then once execution enters the try block, the code in that finally block will definitely be executed except in the following circumstances:

1. An exception arising in the finally block itself.
2. The death of the thread.
3. The use of *System.exit()*
4. Turning off the power to the CPU.
5. I suppose the last three could be classified as VM shutdown.

48

In which numbering system can the binary number 1011011111000101 be easily converted to?

- Decimal system
- Hexadecimal system
- Octal system
- No need to convert

Explanation: Hexadecimal system is better, because each 4-digit binary represents one Hexadecimal digit

49

Every time attribute A appears, it is matched with the same value of attribute B, but not the same value of attribute C. Therefore, it is true that:

- $A \rightarrow B$.
- $A \rightarrow C$.
- $A \rightarrow (B,C)$.
- $(B,C) \rightarrow A$.

50

If you need to duplicate the entire disk, which command will you use?

- A . Copy
- B . Diskcopy
- C . Chkdsk
- D . Format

Explanation: Explanation: Diskcopy is used to perform track-by-track copy of a disk into another. Copy command copies selected files; chkdsk and format commands are not for copying purpose