

Infosys Test 1

1

A fisherman's day is rated as good if he catches 9 fishes, fair if 7 fishes and bad if 5 fishes. He catches 53 fishes in a week and had all good, fair n bad days in the week. So how many good, fair n bad days did the fisher man had in the week?

- 3,1,1
- 4,1,2
- 2,3,2
- 5,1,1

Explanation:

From the given information:

Go to river catch fish

$$4*9=36$$

$$7*1=7$$

$$2*5=10$$

$$36+7+10=53...$$

take what is given 53

2

A plane moves from $9^{\circ}\text{N}40^{\circ}\text{E}$ to $9^{\circ}\text{N}40^{\circ}\text{W}$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time ?

- 12.30
- 6.00
- 5.30
- 2.00

Explanation: Since it is moving from east to west longitude we need to add both

$$\text{ie, } 40+40=80$$

multiply the ans by 4

$$\Rightarrow 80*4=320\text{min}$$

convert this min to hours ie, 5hrs 33min

It takes 8hrs totally . So 8-5hr 30 min=2hr 30min

So the ans is 10am+2hr 30 min

\Rightarrow ans is 12:30 it will reach

3

The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

- 1ms
- 20.5ms
- 40ms
- 30ms

Explanation: doesn't matter that wat the time is being taken to fill the bucket.after reaching program it waits there for 10ms and back to the programmer in 20 ms.then total time to get the response is 20ms +10 ms=30 ms

4

what is a percent of b divided by b percent of a?

- a
- b
- 1
- 10
- 100

Explanation:

a percent of b $(\frac{a}{100}) * b$

b percent of a : $(\frac{b}{100}) * a$

a percent of b divided by b percent of a : $((\frac{a}{100}) * b) / ((\frac{b}{100}) * a) = 1$

5

A face of the clock is divided into three parts. First part hours total is equal to the sum of the second and third part. What is the total of hours in the bigger part?

- 4
- 9
- 6
- 10

Explanation: the clock normally has 12 hr

three parts x,y,z

$$x+y+z=12$$

$$x=y+z$$

$$2x=12$$

$$x=6$$

so the largest part is 6 hrs

6

Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?

- K
- H
- G
- J

Explanation:

The order in which they are climbing is R-G-K-H-J.

7

It was calculated that 75 men could complete a piece of work in 20 days. When work was scheduled to commence, it was found necessary to send 25 men to another project. How much longer will it take to complete the work?

- 25
- 30

40

20

Explanation:

Before:

One day work = $1 / 20$

One man's one day work = $1 / (20 * 75)$

Now:

No. Of workers = 50

One day work = $50 * 1 / (20 * 75)$

The total no. of days required to complete the work = $(75 * 20) / 50 = 30$ days

8

3 blocks are chosen randomly on a chessboard. What is the probability that they are in the same diagonal?

0.002688

0.011

0.002888

0.0048

Explanation:

There are total of 64 blocks on a chessboard. So 3 blocks can be chosen out of 64 in ${}^{64}C_3$ ways.

So the sample space is = 41664

There are 2 diagonal on chessboard each one having 8 blocks. Consider one of them.

3 blocks out of 8 blocks in diagonal can be chosen in 8C_3 ways.

But there are 2 such diagonals, hence favourable = $2 * {}^8C_3 = 2 * 56 = 112$

The require probability is

= $112 / 41664$

= $1 / 372$

= 0.002688

9

Predict the output or error(s) for the following:

```
void main()
{
int const * p=5;
printf("%d",++(*p));
}
```

compiler error

6

5

7

Explanation:

Compiler error: Cannot modify a constant value.

Explanation: a pointer to a "constant integer". But we tried to change the value of the " constant integer".

10

```
p is main()
{
int i=10;
i=!i>14;
Printf ("i=%d",i);
}
```

- 10
- 0
- 14
- 13

Explanation: In the expression !i>14 , NOT (!) operator has more precedence than '>' symbol. ! is a unary logical operator. !i (!10) is 0 (not of true is false). 0>14 is false (zero).

11

```
enum colors {BLACK,BLUE,GREEN}
main()
{ printf("%d..%d..%d",BLACK,BLUE,GREEN);

return(1); }
```

- BLACK,BLUE,GREEN
- 0
- 0,1,2
- BLUE,GREEN

12

If EASE is coded as HDVH, then SEE will be coded as:

- DHH
- VHV
- VHH
- VVH

Explanation: For EASE we are taking next to the two letters from each one.so we get HDVH.Like the same we should take for SEE .so we get the answer as VHH

13

```
void main()
{
int i;
for(i=1;i<4,i++)
switch(i)
```

```
{case 1: printf("%d",i);break;
case 2:printf("%d",i);break;
case 3:printf("%d",i);break; }
switch(i) case 4:printf("%d",i); }
```

- 1,2,3,4
- 4

3,4

1

Explanation: In break statement its already given $i < 4$.so it will execute 1,2,3,4

14

void main()

```
{
  int i=7;
  printf("%d",i++*i++);
}
```

8

49

56

none of this

Explanation: $i++=7$ and $*i++=8$.therefore $i++*i++=7*8=56$

15

A rich merchant had collected many gold coins. He did not want anybody to know about them. One day, his wife asked, "How many gold coins do we have?" After pausing a moment, he replied, "Well! If I divide the coins into two unequal numbers, then 37 times the difference between the two numbers equals the difference between the squares of the two numbers." The wife looked puzzled. Can you help the merchant's wife by finding out how many gold R

37

35

27

Explanation:

$37(x-y)=x^2-y^2$. u no tht $x^2-y^2=(x-y)(x+y)$.so $(x-y)$ cancels on both sides to give $x+y=37$.so sum of unequal halves=37 which is the req answer.

16

Suppose 8 monkeys take 8 minutes to eat 8 bananas.

(a) How many minutes would it take 3 monkeys to eat 3 bananas?

(b) How many monkeys would it take to eat 48 bananas in 48 minutes

3,4

8,6

8,4

Explanation:

a).each monkey takes 8 min to eat a banana

b).ans:8m=48 m=6

17

When I add 4 times my age 4 years from now to 5 times my age 5 years from now, I get 10 times my current age. How old will I be 3 years from now?

- 35
- 41
- 44
- 38

Explanation:

Let x= current age

$$4(x+4)+5(x+5)=10x \text{ ;so } x=R \text{ 41 years}$$

After 3 years age will be=41+3=44

18

A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there ?

- 112
- 120
- 114
- 140

Explanation:

Let x be the total no. of 2 kg packets and y be the total no of 1 kg packets

x= 2 kg Packs

y= 1 kg packs

$$x + y = 150 \text{ Eqn 1}$$

$$2x + y = 264 \text{ Eqn 2}$$

Solve the Simultaneous equation; x = 114

so, y = 36

ANS : Number of 2 kg Packs = 114.

19

Find the sum of all terms in the series 1, 1/2, 1/4

- 3
- 2
- 5
- 4

Explanation: This is a GP with a = 1, and r = 1/2.

Since r < 1 this is an infinite geometric series. Hence sum of all terms = $a/(1 - r) = 1/(1 - 1/2) = 2$

20

A student divided a number by 2/3 when he required to multiply by 3/2.

Calculate the percentage of error in his result.

- 1
- 0
- 1/2

() none

Explanation: Since $3x / 2 = x / (2 / 3)$

21

A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for ... days

() 20

() 8

() 7

() 10

Explanation:

The equation portraying the given problem is:

$10 * x - 2 * (30 - x) = 216$ where x is the number of working days.

Solving this we get $x = 23$

Number of days he was absent was 7

ie, (30-23) days

22

A contractor agreeing to finish a work in 150 days, employed 75 men each

working 8 hours daily. After 90 days, only $2/7$ of the work was completed.

Increasing the number of men by _____ each working now for 10 hours

daily, the work can be completed in time.

() 140

() 150

() 59

() 100

Explanation:

One day's work = $2 / (7 * 90)$

One hour's work = $2 / (7 * 90 * 8)$

One man's work = $2 / (7 * 90 * 8 * 75)$

The remaining work ($5/7$) has to be completed within 60 days, because

the total number of days allotted for the project is 150 days.

So we get the equation

$$(2 * 10 * x * 60) / (7 * 90 * 8 * 75) = 5/7 \text{ where } x \text{ is the number of}$$

men working after the 90th day.

We get $x = 225$

Since we have 75 men already, it is enough to add only 150 men

23

A man walks at 4 km/hr on plain, then at 3 km/hr uphill and then returns through the same road at 6 km/hr downhill and at 4 km/hr on the plain. It takes altogether 6 hours. So what distance he covered in one way?

- 24
 18
 12
 10

Explanation:

Let plain road = x km

And hill road = y km

$$x/4 + y/3 + y/6 + x/4 = 6$$

$$x/2 + y/2 = 6$$

$$x + y = 12$$

24

Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

- 9
 10
 12
 20

Explanation: Due to stoppages, it covers 9 km less. Time taken to cover 9 km = $(9/54 \times 60)$ min = 10 min

25

The distance between Station Atena and Station Barcena is 90 miles. A train starts from Atena towards Barcena. A bird starts at the same time from Barcena straight towards the moving train. On reaching the train, it instantaneously turns back and returns to Barcena. The bird makes these journeys from Barcena to the train and back to Barcena continuously till the train reaches Barcena. The bird finally returns to Barcena and rests.

Calculate the total distance in miles the bird travels in the following two cases:

- (a) The bird flies at 90 miles per hour and the speed of the train is 60 miles per hour.
 (b) the bird flies at 60 miles per hour and the speed of the train is 90 miles per hour .

- 135,60
 140,55
 135,50
 140,70

Explanation:

a) There is no need to consider their meeting pt at all. the train has been running for $90 \text{ miles} / (60 \text{ miles/hr}) = 1.5 \text{ hrs}$. bird flies till train reaches destination frm strting pt. so bird flies for 1.5hrs at the vel given (90). so $\text{dist} = 1.5 * 90 = 135 \text{ miles}$

b) time of train = 1hr. so dist of bird = $60 * 1 = 60 \text{ miles}$

26

Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?

- 15
- 20
- 25
- 65
- 75

Explanation:

E $(30/5=6; 6*10=60)$; Susan will type 60 pages in 30 min. $(30/10=3); (5*3=15)$; Mary will type 15 pages in 30 min. $(60+15=75)$

27

Consider the following series:

3, 4, 6, 9, 13, ____ What comes next?

- 15
- 16
- 17
- 18
- 19

Explanation: D $(3+1=4; 4+2=6; 6+3=9; 9+4=13; 13+5=18)$

28

Directions for questions below: Select the alternative that logically follows from the two given statements.

All scientists are fools. All fools are literates.

- All literates are scientists
- All scientists are literates
- No scientists are literates
- Both (a) and (b) are correct

29

No apple is an orange. All bananas are oranges

- All apples are oranges
- Some apples are oranges
- No apple is a banana
- None of the above

30

All pens are elephants. Some elephants are cats.

- Some pens are cats
- No pens are cats
- All pens are cats
- None of the above

31

All shares are debentures.No debentures are deposits.

- All shares are deposits
- Some shares are deposits
- No shares are deposits
- None of the above

32

Many fathers are brothers. All brothers are priests.

- No father is a priest
- Many fathers are not priests
- Many fathers are priests
- Both (b) and (c)

33

Verbal ability test:-

SACROSANCT

- too important
- worship
- sacrifice
- best.

34

WHIMSICAL

- victorious
- swift
- fanciful
- momentary

35

Direction for questions below:Read the passage and answer that follow on the basis of instruction provided in the passage

Passage 1

In country X, democratic, conservative and justice parties have fought three civil wars in twenty years. TO restore stability an agreement is reached to rotate the top offices President, Prime Minister and Army Chief among the parties so that each party controls one and only one office at all times. The three top office holders must each have two deputies, one from each of the other parties. Each deputy must choose a staff composed of equally members of his or her chiefs party and member of the third party.

When Justice party holds one of the top offices, which of the following cannot be true.

- Some of the staff members within that office are
- Some of the staff members within that office are
- Two of the deputies within the other offices are
- Two of the deputies within the other offices are
- Some of the staff members within the other offices

36

When the democratic party holds presidency, the staff of the prime minister's deputies are composed

- I. One-fourth of democratic party members
- II. One-half of justice party members and one-fourth of conservative party members
- III. One-half of conservative party members and one-fourth of justice party members.

- I only
- I and II only
- II or III but not both
- I and II or I and III
- None of these

37

Which of the following is allowable under the rules as stated:

- More than half of the staff within a given office
- Half of the staff within a given office belonging
- Any person having a member of the same party as
- Half the total number of staff members in all
- Half the staff members in a given office belonging

38

The office of the Army Chief passes from Conservative to Justice party. Which of the following must be fired.

- The democratic deputy and all staff members
- Justice party deputy and all his or hers staff
- Justice party deputy and half of his Conservative
- The Conservative deputy and all of his or her staff members
- No deputies and all staff members belonging to

39

Passage 2

There was a marked difference of quality between the personages who haunted near bridge of brick and the personages who haunted the far one of stone. Those of lowest character preferred the former, adjoining the town; they did not mind the glare of the public eye. they had been of no account during their successes; and though they might feel dispirited, they had no sense of shame in their ruin. Instead of sighing at their adversaries they spat, and instead of saying the iron had entered into their souls they said they were down in their luck. The miserable's who would pause on the remoter bridge of a politer stamp persons who did not know how to get rid of the weary time. The eyes of his species were mostly directed over the parapet upon the running water below. While one on the town ward bridge did not mind who saw him so, and kept his back to parapet to survey the passer-by, one on this never faced the road, never turned his head at coming foot-steps, but, sensitive on his own condition, watched the current whenever a stranger approached, as if some strange fish interested him, though every finned thing had been poached out of the rivers years before.

In this passage the author is trying to

- explain the difference between the construction of the two bridges
- describe the way different sections of people like to dress
- explain the variety of ways in which strangers can be treated
- describe how people of different classes behaved when unhappy

40

People belonging to lower strata in their moments of distress

- remembered the days of glory
- dressed shabbily to earn sympathy
- visited the brick made bridge
- felt ashamed of their failures

41

The attitude of lowly and genteel towards strangers was

- virtually the same
- entirely different
- completely indifferent
- virulently hostile

42

The bridge of stone was frequented by

- all the sections of society
- those fond of fishing
- the sophisticated but luckless
- none of the above

43

The two bridges were known

- for their similar design
- for being equidistant from town
- for being haunted places
- for attracting dejected people to them

44

In each question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

When he

P : did not know

Q :he was nervous and

R :heard the hue and cry at midnight

S : what to do

The Proper sequence should be:

- RQPS
- QSPR
- SQPR
- PQRS

45

It has been established that

P : Einstein was

Q :although a great scientist

R :weak in arithmetic

S : right from his school days

The Proper sequence should be:

- SRPQ
- QPRS
- QPSR
- RQPS

46

The small child does whatever his father **was done**

- has done
- did
- does
- had done
- no correction required

47

You need not come unless you want to

- You don't need to come unless you want to
- You come only when you want to
- You come unless you don't want to
- You needn't come until you don't want to
- No correction required

48

Read the each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'. (Ignore the errors of punctuation, if any).

- We discussed about the problem so thoroughly
- on the eve of the examination
- that I found it very easy to work it out.
- No error.

49

Spot the errors in this

- An Indian ship
- laden with merchandise
- got drowned in the Pacific Ocean
- No error.

50

In each question below a sentence broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

1. I 2. immediately 3. salary

4. my 5. want

- 43152
- 15432
- 25143
- 42351
- 45132

51

1. do 2. today 3. you
4. must 5. it

() 34152

() 25413

() 12543

() 51324

() 45213

52

1. left 2. the 3. house
4. he 5. suddenly

() 12435

() 21354

() 45123

() 52341

() 24135

53

1. medicine 2. a 3. Neeta
4. given 5. was

() 51423

() 25431

() 15423

() 42531

() 35421

54

1. of 2. we 3. heard
4. him 5. had

() 42351

() 52341

() 25341

() 25431

() 25314

55

In questions below, each passage consist of six sentences. The first and sixth sentence are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.

57).S₁:In the middle of one side of the square sits the Chairman of the committee, the most imj

P : For a committee is not just a mere collection of individuals.

- Q : On him rests much of the responsibility for the success or failure of the committee.
R : While this is happening we have an opportunity to get the 'feel' of this committee.
S : As the meeting opens, he runs briskly through a number of formalities.
S₆ : From the moment its members meet, it begins to have a sort nebulous life of its own.

The Proper sequence should be:

- RSQP
 PQRS
 SQPR
 QSRP

56

- S₁: A force of exists between everybody in the universe.
P : Normally it is very small but when the one of the bodies is a planet, like earth, the force is considerable.
Q : It has been investigated by many scientists including Galileo and Newton.
R : Everything on or near the surface of the earth is attracted by the mass of earth.
S : This gravitational force depends on the mass of the bodies involved.
S₆ : The greater the mass, the greater is the earth's force of attraction on it. We can call this force of attraction gravity.

The Proper sequence should be:

- PRQS
 PRSQ
 QSRP
 QSPR

57

- S₁: Calcutta unlike other cities keeps its trams.
P : As a result there horrendous congestion.
Q : It was going to be the first in South Asia.
R : They run down the centre of the road
S : To ease in the city decided to build an underground railway line.
S₆ : The foundation stone was laid in 1972.

The Proper sequence should be:

- PRSQ
 PSQR
 SQRP
 RPSQ

58

- S₁: For some time in his youth Abraham Lincoln was manager for a shop.
P : Then a chance Customer would come.
Q : Young Lincoln way of keeping shop was entirely unlike anyone else's
R : Lincoln would jump up and attend to his needs and then revert to his reading.

S : He used to lie full length on the counter of the shop eagerly reading a book.

S_c: Never before had Lincoln had so much time for reading as had then.

The Proper sequence should be:

SRQP

QSPR

SQRP

QPSR

59

S_i: Smoke oozed up between the planks.

P : Passengers were told to be ready to quit the ship.

Q :The rising gale fanned the smouldering fire.

R :Everyone now knew there was fire on board.

S : Flames broke out here and there.

S_c: Most people bore the shock bravely.

The Proper sequence should be:

SRQP

QPSR

RSPQ

QSRP

60

Rearrange the following five sentences in proper sequence so as to for a meaningful paragraph, then answer the questions given below them.

1.After Examining him, the doctor smiled at him mischievously and took out a syringe.

2.Thinking that he was really sick, his father summoned the family doctor.

3.That day, Mintu wanted to take a day off from school

4.Immediately, Mintu jumped up from his bed and swore the he was fine

5.Therefor; he pretended to be sick and remained in bed.

Which sentence should come **third** in the paragraph?

1

2

3

4

5

61

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

Fate smiles those who untiringly grapple with stark realities of life.

- with
- over
- on
- round

62

The miser gazed at the pile of gold coins in front of him.

- avidly
- admiringly
- thoughtfully
- earnestly

63

Catching the earlier train will give us the to do some shopping.

- chance
- luck
- possibility
- occasion

64

I saw a of cows in the field.

- group
- herd
- swarm
- flock

65

The grapes are now enough to be picked.

- ready
- mature
- ripe
- advanced

66

Success in this examination depends hard work alone.

- at
- over
- for
- on

67

In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

Extreme old age when a man behaves like a fool

- imbecility
- sensility
- dotage
- supernnuation

68

That which cannot be corrected

- unintelligle
- indelible
- illegible
- incorrigible

69

Catching the earlier train will give us the to do some shopping.

- chance
- luck
- possibility
- occasion

70

Statements: Some envelops are gums. Some gums are seals. Some seals are adhesives.

Conclusions:

1. Some envelopes are seals.
2. Some gums are adhesives.
3. Some adhesives are seals.

4. Some adhesives are gums.

- a) Only (3)
- b) Only (1)
- c) Only (2)
- d) Only (4)