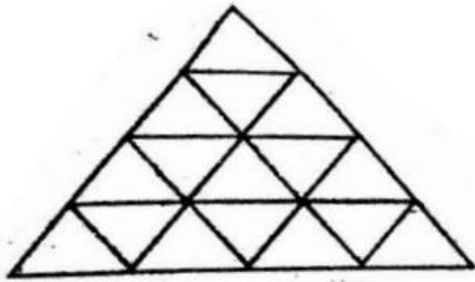


INFOSYS TEST LINK 3

SECTION 1: LOGICAL REASONING

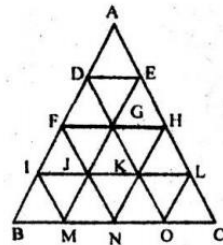
1) How many triangles are there in the given figure?



- A) 29
- B) 27
- C) 23
- D) 30

Answer: B)

Explanation :



The triangles are:

$\triangle ABC$; $\triangle ADE$; $\triangle AFH$; $\triangle AIL$;
 $\triangle DFG$; $\triangle DIK$; $\triangle DBO$; $\triangle GDE$;
 $\triangle EGH$; $\triangle EJL$; $\triangle EMC$; $\triangle FIJ$;
 $\triangle FBN$; $\triangle JFG$; $\triangle GJK$; $\triangle KGH$;
 $\triangle HKL$; $\triangle HNC$; $\triangle NFH$; $\triangle GMO$;
 $\triangle IBM$; $\triangle MIJ$; $\triangle JMN$; $\triangle NJK$;
 $\triangle KNO$, $\triangle OKL$; $\triangle LOC$;

Directions to solve questions 2 - 3: Read the information carefully and answer the questions given below.

In a certain code language,

'speak nicely to all' is coded as "ka cu ma he"

'all are like us' is coded as " si fo he to"

'teach us lesson nicely' is coded as " po ma fo re"

'lesson like all humans' is coded as "he re gu si"

2) What is the code for 'are' in the given language?

- A) si
- B) to
- C) fo

- D) Either A or B
- E) Can't be determined

Answer : B)

Explanation: From the following explanation it is clear that the code for are is "to".
 Reference:

'speak nicely to all' -----> "ka cu ma he".....(1)
 'all are like us' ----> " si fo he to".....(2)
 'teach us lesson nicely' ----> " po ma fo re".....(3)
 'lesson like all humans' -----> "he re gu si".....(4)

Inference:

From (1) and (2) we get
 all ---> he(5)

From (1) and (3) we get
 nicely -----> ma.....(6)

From (2) and (4) we get
 like -----> si(7)

From (2) and (3) we get
 us -----> fo(8)

From (3) and (4) we get
 lesson -----> re.....(9)

From (1), (5) and (6) we get
 speak to -----> ka cu

From (2), (5), (7) and (8) we get
 are -----> to

From (3), (6), (8) and (9) we get
 teach -----> po

From (4), (5), (7) and (9) we get
 humans -----> gu

3) What would be the code for "humans teach"?

- A) gu fo
- B) he fo
- C) gu po
- D) ma re
- E) None of these

Answer: C

Explanation:

Reference:

'speak nicely to all' -----> "ka cu ma he".....(1)
 'all are like us' ----> " si fo he to".....(2)
 'teach us lesson nicely' ----> " po ma fo re".....(3)
 'lesson like all humans' -----> "he re gu si".....(4)

Inference:

From (1) and (2) we get
all ---> he(5)

From (1) and (3) we get
nicely -----> ma.....(6)

From (2) and (4) we get
like -----> si(7)

From (2) and (3) we get
us -----> fo(8)

From (3) and (4) we get
lesson -----> re.....(9)

From (1), (5) and (6) we get
speak to -----> ka cu

From (2), (5), (7) and (8) we get
are -----> to

From (3), (6), (8) and (9) we get
teach -----> po

From (4), (5), (7) and (9) we get
humans -----> gu

DIRECTIONS for questions 4 – 5: In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

4) Statements: Some eyes are ears. Some ears are lungs. All lungs are hands

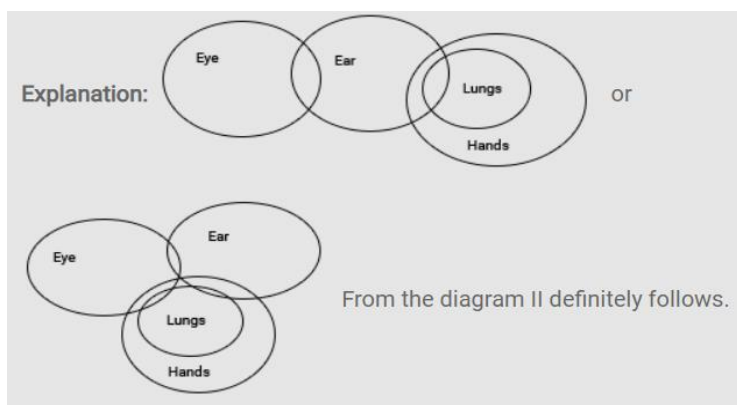
Conclusion:

- I. Some hands are eyes.
- II. Some hands are ears
- III. Some lungs are eyes
- IV. No hand is eye

- A) None follow
- B) Only IV follows
- C) Only II follows
- D) Only III follows

Answer: C

Explanation:



5) Statements: All liquids are solids. Some solids are gases. All gases are clouds

Conclusion:

- I. Some clouds are solids
- II. Some clouds are liquids
- III. Some gases are liquids
- IV. Some solids are clouds

- A) None follows
- B) Only I and II follow
- C) Only III and IV follow
- D) Only I and IV follow

Answer : D

Explanation :



Directions to solve questions 6 – 8 : Read the questions carefully and decide which option would suit the best.

6) What is Reena's rank in the class ?

- I. There are 26 students in the class.
- II. There are 9 students who have scored less than Reena.

- A) if the data in statement I alone are sufficient to answer the question
- B) if the data in statement II alone are sufficient to answer the question
- C) if the data either in I or II alone are sufficient to answer the question
- D) if the data even in both the statements together are not sufficient to answer the question
- E) if the data in both the statements together are needed.

Answer: Option E

Explanation: From I and II, we conclude that there are 16 students above Reena in rank. Thus, Reena's rank is 17th in the class. So, both the statements are necessary.

7) Who is the father of M?

- I. A and B are brothers.
- II. B's wife is sister of M's wife.

- A) if the data in statement I alone are sufficient to answer the question
- B) if the data in statement II alone are sufficient to answer the question
- C) if the data either in I or II alone are sufficient to answer the question
- D) if the data even in both the statements together are not sufficient to answer the question
- E) if the data in both the statements together are needed.

Answer: Option D

Explanation: From II, we conclude that B is the brother-in-law of M. So, even from both the statements, we can't find out who is the father of M.

8) What day is the fourteenth of a given month ?

- I. The last day of the month is a Wednesday.
- II. The third Saturday of the month was seventeenth.

- A) if the data in statement I alone are sufficient to answer the question

- B) if the data in statement II alone are sufficient to answer the question
 C) if the data either in I or II alone are sufficient to answer the question;
 D) if the data even in both the statement together are not sufficient to answer the question
 E) if the data in both the statements together are needed.

Answer: Option B

Explanation: Statement II reveals that 17th was a Saturday and therefore, 14th was Wednesday. So, only statement II is needed.

9) A person wrote first N consecutive numbers (natural) on a board and found their sum. Another person came and deleted the smallest number and found the sum of remaining numbers. The process continued until N remained on the board.

The average of all the sums is found to out to be 105. Find N?

- A) 17
 B) 20
 C) 19
 D) 23

Answer: A

Explanation:

1 2 3 4 5..... n

2 3 4 5..... n

3 4 5..... n

4 5..... N

Sum of all terms of the series above = $(1) + (2 + 2) + (3 + 3 + 3) + \dots + (n + n + n \dots n \text{ times})$

$$= 1^2 + 2^2 + 3^2 + \dots + n^2$$

$$= \sum n^2$$

$$\text{Average of all sums} = \frac{\sum n^2}{n} = \frac{(n(n+1)(2n+1))}{6n} = \frac{(n+1)(2n+1)}{6} = 105$$

$$\Rightarrow (n+1)(2n+1) = 630 \Rightarrow n = 17.$$

10) If Ever + Since = Darwin then D + a + r + w + i + n is ?

- A) 23
 B) 41
 C) 34
 D) 16

Answer: A

Explanation:

As it's a sum of 3 numbers hence the maximum value of D could be 2 or 1, but then we look at S which could have maximum value 9 and if it gets a carry of 1 then the value of A will be 0 and the D=1. 2. Then we look at E and I which results in R, as 9 is already occupied by S so E could be 8 and I could be 7 and R will be 5 with carry 1. 3. Then we place the values of R=5 and E=8 resulting in N=3 with carry 1. 4. In ten's digits - E=8 and value of C could be 3,4,6 (As all others are occupied) and To make I=7

(previously assigned in step 2) E must be added by 9 which is already occupied by S. So this hit ends here. Now start again with reduced value of E or I, repeat above steps until you get a correct answer or a dead end. 5. Repeating above steps one time comes with E=5 and I=7 which results in R=3 carry=1. 6. Placing R=3 and E=5 in unit digits and their sum gives 8. 7. in ten's digits place E=5 now you can add 2 to make I=7 hence C=2. 8. in 100's digits you have N=8 (from step 6) and only digits that are left now are 4 and 6 hence. So placing V=4 you will get W=2 which is not true because it is already assigned to C. So we are left with only V=6 as the ultimate choice and this leads the result in to W=4. Hence this way we got the answer5 6 5 3E V E R ..9 7 8 2 5 + S I N C E ----- D A R W I N 1 0 3 4 7 8 Hence D+A+R+W+I+N = 1+0+3+4+7+8 =23

Directions to solve questions from 11 – 15 : Read the given information carefully and answer the questions given below:

There are five friends Amisha, Binaya, Celina, Daisy and Eshaan. Two of them play table tennis while the other three play different games, viz. football, cricket and chess. One table tennis player and the chess player stay on the same floor while the other three stay on floors 2, 4 and 5.

Two of the players are industrialists while the other three belong to different occupations viz. teaching, medicine and engineering. The chess player is the oldest while one of the table tennis players, who plays at the national level, is the youngest.

The other table tennis player who plays at the regional level is between the football player and the chess player in age. Daisy is a regional player and stays on floor 2. Binaya is an engineer while Amisha is the industrialist and plays table tennis at the national level.

Daisy plays cricket and football player stays on floor 4. Celina stays on floor 5. Only one of the friends is younger than Daisy.

11) Who all stay on floor 3?

- A) Amisha and Binaya
- B) Daisy and Eshaan
- C) Binaya and Daisy
- D) Celina and Daisy

Answer: A

Explanation:

Let us tabulate the given information as shown below for the sake of convenience in collating the data in a structured manner as shown below.

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis		Industrialist	Youngest	National
Binaya			Engineer		
Celina					
Daisy	Cricket	2		x oldest	Regional
Eshan					

This question can be solved using the options. Since, it is given in the data that Daisy stays on floor 2, only option 1 can be true as all other options have Daisy as one of the occupants of the floor. Thus, Amisha and Binaya stay on floor 3.

This gives us further data that we can use in order to solve other questions.

The table would now look as follows:

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis	3	Industrialist	Youngest(1)	National
Binaya	Chess	3	Engineer	Oldest(5)	
Celina	Table Tennis	5		(4)	Regional
Daisy	Cricket	2		(2)	Regional
Eshan	Football	4		(3)	

12) What does Eshaan play?

- A) Chess
- B) Football
- C) Cricket
- D) Table tennis at regional level

Answer:B

Explanation: Let us tabulate the given information as shown below for the sake of convenience in collating the data in a structured manner as shown below.

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis		Industrialist	Youngest	National
Binaya			Engineer		
Celina					
Daisy	Cricket	2		x oldest	Regional
Eshan					

This question can be solved using the options. Since, it is given in the data that Daisy stays on floor 2, only option 1 can be true as all other options have Daisy as one of the occupants of the floor. Thus, Amisha and Binaya stay on floor 3.

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Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis	3	Industrialist	Youngest(1)	National
Binaya	Chess	3	Engineer	Oldest(5)	
Celina	Table Tennis	5		(4)	Regional
Daisy	Cricket	2		(2)	Regional
Eshan	Football	4		(3)	

It can be observed from the table that Eshan plays football. Hence, option B is the correct choice.

13) Who stays on floor 4?

- A) Amisha
- B) Binaya
- C) Celina
- D) Eshaan

Answer: D

Explanation: Let us tabulate the given information as shown below for the sake of convenience in collating the data in a structured manner as shown below.

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis		Industrialist	Youngest	National
Binaya			Engineer		
Celina					
Daisy	Cricket	2		x oldest	Regional
Eshan					

This question can be solved using the options. Since, it is given in the data that Daisy stays on floor 2, only option 1 can be true as all other options have Daisy as one of the occupants of the floor. Thus, Amisha and Binaya stay on floor 3.

This gives us further data that we can use in order to solve other questions.

The table would now look as follows:

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis	3	Industrialist	Youngest(1)	National
Binaya	Chess	3	Engineer	Oldest(5)	
Celina	Table Tennis	5		(4)	Regional
Daisy	Cricket	2		(2)	Regional
Eshan	Football	4		(3)	

From the table, we can see that Eshan stays on floor 4.

Hence, option D is the correct choice.

14) Age wise, who among the following lies between Binaya and Eshaan?

- A) Daisy
- B) Amisha
- C) Celina
- D) Cannot be determined

Answer: C

Explanation: Let us tabulate the given information as shown below for the sake of convenience in collating the data in a structured manner as shown below.

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis		Industrialist	Youngest	National
Binaya			Engineer		
Celina					
Daisy	Cricket	2		x oldest	Regional
Eshan					

This question can be solved using the options. Since, it is given in the data that Daisy stays on floor 2, only option 1 can be true as all other options have Daisy as one of the occupants of the floor. Thus, Amisha and Binaya stay on floor 3.

This gives us further data that we can use in order to solve other questions.

The table would now look as follows:

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
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Celina	Table Tennis	5		(4)	Regional
Daisy	Cricket	2		(2)	Regional
Eshan	Football	4		(3)	

15) What is the occupation of the chess player?

- A) Engineer
- B) Industrialist
- C) Doctor
- D) Teacher

Answer: A

Explanation: Let us tabulate the given information as shown below for the sake of convenience in collating the data in a structured manner as shown below.

Name of player	Game	Floor on which the player stays	Occupation	Age	Level of game
Amisha	Tennis		Industrialist	Youngest	National
Binaya			Engineer		
Celina					
Daisy	Cricket	2		x oldest	Regional
Eshan					

This question can be solved using the options. Since, it is given in the data that Daisy stays on floor 2, only option 1 can be true as all other options have Daisy as one of the occupants of the floor. Thus, Amisha and Binaya stay on floor 3.

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Binaya	Chess	3	Engineer	Oldest(5)	
Celina	Table Tennis	5		(4)	Regional
Daisy	Cricket	2		(2)	Regional
Eshan	Football	4		(3)	

Chess player is an Engineer.

Hence, option A is the correct choice.

SECTION 2: QUANTITATIVE APTITUDE

1) Peter got 30% of the maximum marks in the examination and failed by 10 marks. However, Paul who took the same examination got 40% of the total marks and got 15 marks more than the passing marks. What were the passing marks in the examination?

- A) 75 %
- B) 80 %
- C) 85 %
- D) 60 %

Answer: C

Explanation : Difference of % of marks obtained = difference of the mark obtained

$$\rightarrow 40\% \text{ of } x - 30\% \text{ of } x = 15 - (-10)$$

$$\rightarrow 10\% \text{ of } x = 25$$

$$\rightarrow X = 25 \times 100 / 10 = 250 \text{ (maximum marks)}$$

$$\rightarrow \text{Passing marks} = 30\% \text{ of } 250 + 10 = 85\%$$

2) Two trains each 500 metre long, are running in opposite directions on parallel tracks. If their speeds are 45 km/hr and 30 km/hr respectively, the time taken by the slower train to pass the driver of the faster one is

- A. 50 seconds
- B. 58 seconds
- C. 24 seconds
- D. 22 seconds

Answer: C

Explanation :

$$\begin{aligned} \text{Relative speed} &= (45 + 30) = 75 \text{ km/hr} \\ &= 75 \times \frac{5}{18} = \frac{125}{6} \text{ m/s} \end{aligned}$$

We are calculating the time taken by the slower train to pass the driver of the faster one.

Hence, distance = length of the slower train = 500 metre

$$\text{Time} = \frac{500}{\left(\frac{125}{6}\right)} = 24 \text{ seconds}$$

3) The length of a rectangular plot is 20 metres more than its breadth. If the cost of fencing the plot @ 26.50 per metre is Rs. 5300, what is the length of the plot in metres?

- A) 40
- B) 50
- C) 120
- D) Data inadequate
- E) None of these

Answer: E

Explanation: Let breadth = x metres.

Then, length = (x + 20) metres.

Perimeter = 5300 m = 200 m.

26.50

$$2[(x + 20) + x] = 200$$

$$2x + 20 = 100$$

$$2x = 80$$

$$x = 40.$$

Hence, length = x + 20 = 60 m.

4) How many kgs of Basmati rice costing Rs.42/kg should a shopkeeper mix with 25 kgs of ordinary rice costing Rs.24 per kg so that he makes a profit of 25% on selling the mixture at Rs.40/kg?

- A) 20.0 kgs
- B) 12.5 kgs
- C) 16.0 kgs
- D) 200.0 kgs

Answer : A

Explanation: As the trader makes 25% profit by selling the mixture at Rs.40/kg, his cost per kg of the mixture = Rs.32/kg.

Step 2:

C.P of 1 kg of rice of 1st kind = Rs. 42

C.P of 1 kg of rice of 2nd kind = Rs. 24

Mean price = Rs. 40

By the rule of Alligation, we have:

C.P. of 1kg of rice of 1st kind (Rs. 42)

C.P. of 1kg of rice of 2nd kind (Rs. 24)



$$40 - 24$$

:

$$42 - 32$$

$$(8)$$

$$(10)$$

Let the amount of Basmati rice being mixed be x kgs.

As the trader makes 25% profit by selling the mixture at Rs.40/kg, his cost per kg of the mixture = Rs.32/kg.

$$\text{i.e. } (x \times 42) + (25 \times 24) = 32(x + 25)$$

$$\Rightarrow 42x + 600 = 32x + 800$$

$$\Rightarrow 10x = 200$$

$$\Rightarrow x = 20\text{kgs.}$$

5) 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

- A) 10
- B) 13
- C) 14
- D) 15

Answer: B

Explanation: Let's calculate how much time it takes to repair the road if just 1 person were working on it.

5 hours a day for 12 days makes it 60 hours per person.

39 people working 60 hours each makes it $39 \times 60 = 2340$ hours in total.

Now we have 30 people working 6 hours a day

That means $30 \times 6 = 180$ hours are spent each day.

We need a total of 2340 hours. With 180 hours every day, that's going to take $2340/180 = 13$ days

6) There are 10 seats around a circular table. If 8 men and 2 women have to be seated around a circular table, such that no two women have to be separated by at least one man. If P and Q denote the respective number of ways of seating these people around a table when seats are numbered and unnumbered, then P:Q equals,

- A) 9:1
- B) 72:1
- C) 10:1
- D) 8:1

Answer: C

Explanation : Initially we look at the general case of the seats not numbered.

The total number of cases of arranging 8 men and 2 women, so that women are together:

$$\Rightarrow 8 \times 2!$$

The number of cases where the women are not together:

$$\Rightarrow 9! - (8! \times 2!) = Q$$

Now, when the seats are numbered, it can be considered to a linear arrangement and the number of ways of arranging the group such that no two women are together is:

$$\Rightarrow 10! - (9! \times 2!)$$

But the arrangements where the women occupy the first and the tenth chairs are not favourable as when the chairs which are assumed to be arranged in a row are arranged in a circle, the two women would be sitting next to each other.

The number of ways the women can occupy the first and the tenth position:

$$= 8! \times 2!$$

The value of P,

$$= 10! - (9! \times 2!) - (8! \times 2!)$$

$$\text{Thus } P:Q = 10 : 1$$

7) A person starting with 64 rupees and making 6 bets, wins three times and loses three times, the wins and losses occurring in random order. The chance for a win is equal to the chance for a loss. If each wager is for half the money remaining at the time of the bet, then the final result is:

- A) a gain of Rs 27
- B) a loss of Rs 37
- C) neither gain nor a loss
- D) a gain or a loss depending upon the order in which the wins and losses occur

Answer: B

Explanation : As the win leads to multiplying the amount by 1.5 and loss leads to multiplying the amount by 0.5, we will multiply initial amount by 1.5 thrice and by 0.5 thrice (in any order).

The overall resultant will remain same.

So final amount with the person will be (in all cases):

$$= 64(1.5)(1.5)(1.5)(0.5)(0.5)(0.5) = \text{Rs } 27$$

Hence the final result is:

$$64 - 27 = 37:$$

A loss of Rs 37

8) A ship develops a leak 12 km from the shore. Despite the leak, the ship is able to move towards the shore at a speed of 8 km/hr. However, the ship can stay afloat only for 20 minutes. If a rescue vessel were to leave from the shore towards the ship and it takes 4 minutes to evacuate the crew and passengers of the ship, what should be the minimum speed of the rescue vessel in order to be able to successfully rescue the people aboard the ship?

- A) 53 km/hr

- B) 37 km/hr
 C) 28 km/hr
 D) 44 km/hr

Answer: B

Explanation: The distance between the rescue vessel and the ship, which is 12 km has to be covered in 16 minutes. (The ship can stay afloat only 20 minutes and it takes 4 minutes to evacuate the people aboard the ship). Therefore, the two vessels should move towards each other at a speed of

$$\begin{aligned} & \frac{12}{16/60} \text{ km/hr} \\ &= \frac{12 \times 60}{16} \\ &= 45 \text{ km/hr.} \end{aligned}$$

The ship is moving at a speed of 8 km/hr. Therefore, the rescue vessel should move at a speed of $45 - 8 = 37$ km/hr.

9) A man can row against the current three-fourth of a kilometre in 15 min and returns same distance in 10 min, then ratio of his speed to that of current is ?

- A) 3 : 5
 B) 5 : 3
 C) 1 : 5
 D) 5 : 1

Answer: D

Explanation: Let the speed of man and current be U and V km/h, respectively.

Speed upstream = $(U - V)$ km/h

Speed down stream = $(U + V)$ km/h

According to the question,

$$(3 \times 60)/(4 \times 15) = U - V$$

$$\Rightarrow U - V = 3 \dots\dots(i)$$

$$\text{and } (3/4) \times (60/10) = U + V$$

$$\Rightarrow U + V = 9/2 \dots(ii)$$

On adding Eqs. (i) and (ii), we get

$$2U = 3 + 9/2$$

$$\Rightarrow U = 15/4$$

On putting the value of U in Eq. (ii), we get

$$15/4 + V = 9/2$$

$$V = 9/2 - 15/4 = 18 - 15/4$$

$$\Rightarrow V = 3/4$$

Hence, speed of man $U = 15/4$ and

Speed of current $V = 3/4$

Hence, required ratio = $15/4 : 3/4 = 5 : 1$

10) By selling 12 apples for a rupee, a man loses 20%. How many for a rupee should he sell to gain 20%

- A) 8
 B) 10
 C) 15
 D) 16

Answer: A

Explanation: $SP = 100/12$ paise

Let's $CP = x$

$SP = 0.8x = 100/12$

$\therefore x = 10/(0.8 \times 12)$ paise

Therefore, $CP = 100/9.6$ paise

Thus the new SP (with 20% profit) = $100/9.6 \times 1.2 = 100/8$ paise

Hence, 8 apples can be purchased for Rs.1 to gain 20%.

SECTION 3: VERBAL ABILITY

Directions to solve questions from 1 - 5 : Fill in the blanks with appropriate words by choosing it from the options given below.

The one essential ____1____ factor in a company being able to create the right customer experience that is so necessary for its continued ____2____ is its people. A company will have among its employees, planners, ____3____, and doers. But it doesn't pay to forget that all of them are people and that their roles can never be ____4____ in a ____5____ fashion.

1) The most suitable word for 1 is

- A) Sustainable
- B) Indispensable
- C) Measurable
- D) Gullible

Answer: B

Explanation: Indispensable is akin to essential. People cannot be sustainable, measurable or gullible.

2) The most suitable word for 2 is

- A) Implication
- B) Surplus
- C) Survival
- D) Sermonizing

Answer : C

Explanation: Survival goes with essential. the rest of the choices don't make any sense.

3) The most suitable word for 3 is:

- A) Losers
- B) Majors
- C) Mayors
- D) enablers

Answer: D

Explanation: Enablers are the people who translate plans into action.

4) The most suitable word for 4 is:

- A) Revolutionized
- B) Marginalized
- C) Compartmentalized
- D) Shot

Answer: C

Explanation: Given rigid, compartmentalized is the matching option.

5) The most suitable word for 5 is:

- A) Rigid
- B) Frigid
- C) Turbid
- D) Morbid

Answer: A

Explanation: Only rigid fits sensibly.

Directions to solve questions from 6 - 8 : Read the questions carefully . Part or the entire sentence is underlined, correct the sentences accordingly with the help of the options.

6) With his sub-four minute mile Bannister broke a psychological barrier, inspiring thousands of others to attempt overcoming seemingly insurmountable hurdles.

- A) inspiring thousands of others to attempt overcoming
- B) inspiring thousands of others to attempt to overcome
- C) inspiring thousands of others to overcome
- D) and inspired thousands of others to attempt to overcome
- E) and inspired thousands of others to attempt overcoming

Answer: D

Explanation : In A the word 'inspiring' seems incorrectly to refer to the word 'barrier'; also the expression 'attempt overcoming' is unidiomatic.

In D, the correct answer, 'inspired' is correctly parallel to 'broke', and 'attempt to overcome' is idiomatic.

7) By the year 2000, A Tale of Two Cities, Charles Dickens' gripping book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy had around 200 million copies in print, making it more than that of almost any other English book ever written.

- A) book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy had around 200 million copies in print, making it more than
- B) book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy had around 200 million copies in print, which is more than
- C) book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy, had around 200 million copies in print, more than
- D) book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy, had around 200 million copies in print, making it more than
- E) book portraying the suffering of the proletariat under the brutal subjugation of the French aristocracy had around 200 million copies in print and is more than

Answer: C

Explanation: There are three main issues being tested in this question.

(1) The phrase Charles Dickens'...aristocracy is a modifying phrase and must be set off in a pair of commas as it should stand between the subject and verb in order to clearly modify the subject. Modifiers that break the flow of the sentence must be set off in a pair of commas. Without a comma after aristocracy, the modifying phrase is not properly separated from the subject (A Tale of Two Cities) and verb (had).

(2) The pronoun it in the phrase making it more than does not have a clear antecedent (although it probably refers to A Tale of Two Cities).

(3) The phrase making it more than illogically compares a book to a number of copies of a book in print. The sentence should compare a number of copies in print to a number of copies in print.

A. there is no comma between aristocracy and had to set off the modifying phrase; the sentence improperly compares unlike parts; the pronoun it toward the end of the sentence has no clear antecedent

B. there is no comma between aristocracy and had to set off the modifying phrase

C. the modifying phrase between the subject and verb is set off by a comma; the unclear and unnecessary pronoun it has been removed; like parts are being compared (i.e., number of copies in print)

D. the sentence improperly compares unlike parts; the pronoun it toward the end of the sentence has no clear antecedent

E. this is a long run-on sentence; there is no comma between aristocracy and had to set off the modifying phrase; the phrase and is more than is awkward as there is no clear subject to which the verb is refers

8) An analysis of sixteenth century probate inventories in the major English towns show that even some artisans and yeomen owned silver spoons, cups or salt cellars.

A) show that even some artisans and yeomen owned silver spoons, cups or

B) show that some artisans and yeomen even owned silver spoons, cups or

C) show that even some artisans and yeomen owned silver spoons, cups and

D) shows that some artisans and yeomen owned even silver spoons, cups and

E) shows that even some artisans and yeomen owned silver spoons, cups or

Answer: E

Explanation: The subject of the sentence is 'analysis' and therefore the verb should be the singular 'shows'. Hence either D or E must be correct.

The word 'even' should be in front of the word which it qualifies. The intention is to express surprise that some artisans owned silver, as indicated in E by putting 'even' in front of 'artisans', and not surprise at the spoons as implied in D.

In E, the correct answer, the word 'or' seems preferable because the artisan or yeoman might own any of the items and not necessarily all the items as would be implied by the use of 'and'.

9) Commencement of words with the same letter:

A) Pun

B) Alliteration

C) Transferred epithet

D) Oxymoron

Answer: B

Explanation: The one word-substitution is Alliteration.

Pun: A joke exploiting the different possible meanings of a word or the fact that there are words which sound alike but have different meanings.

Transferred epithet: A transferred epithet often involves shifting a modifier from the animate to the inanimate, as in the phrases.

Oxymoron: A figure of speech in which apparently contradictory terms appear in conjunction.

Alliteration: The occurrence of the same letter or sound at the beginning of adjacent or closely connected words.

10) polyglot : languages :: polyphagous :

- A) destiny
- B) food
- C) caudal
- D) rings

Answer: B

Explanation: A polyglot utilizes many languages, & a polyphagous organism utilizes many kinds of food.

11) confident : sanguine :: dregs :

- A) rags
- B) dust
- C) dross
- D) ewer

Answer: C

Explanation: Confident & sanguine are synonyms, as are dregs & dross.

12) A remedy for all disease is

- A) Medicine
- B) Medical
- C) Medica
- D) Panacea

Answer: D

13) Mania for stealing articles

- A) Hypomania
- B) Kleptomania
- C) Logomania
- D) Stelomania

Answer: B

Directions to solve questions from 14 - 18 : Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

- 14)** 1). But in the industrial era destroying the enemy's productive capacity means bombing the factories which are located in the cities.
- 2). So in the agrarian era, if you need to destroy the enemy's productive capacity, what you want to do is burn his fields, or if you're really vicious, salt them.
- 3). Now in the information era, destroying the enemy's productive capacity means destroying the information infrastructure.
- 4). How do you do battle with your enemy?
- 5). The idea is to destroy the enemy's productive capacity, and depending upon the economic foundation, that productive capacity is different in each case.

6). With regard to defence, the purpose of the military is to defend the nation and be prepared to do battle with its enemy.

- A) 645213
- B) 631254
- C) 452136
- D) 465213

Answer: A

Explanation: Looking at the transition word 'but' in the first sentence.

It signifies that the sentence is expressing an idea contrary an idea expressed in some previous sentence. Now we need to find that previous sentence. If we further look at the beginning of the first sentence, it says 'but in the institutional era' which suggests that the contrariness is with respect to eras.

Looking further, we see that sentence 2 and 3 are also starting with statement about eras. But the transition word at the start of 3 is 'now' which expresses present era and hence it cannot chronologically come before any other past era. That is, if information era is the present era, talk about any other era will come before this.

So sentence 2 is the correct sentence to come before the first sentence. Likewise, sentence 3 is the correct sentence to come after the first sentence (sentence 3 is continuing the idea).

Therefore, we have the link 213. We see that option A, C and D all have the link 213.

Furthermore, all the three options have the link 5213. Therefore, we only need to arrange 4 and 6.

The sentence 6 states that 'The purpose is to battle the enemy' and 4 questions 'how do you battle the enemy'

Therefore 4 will come after 5.

Hence option A is the correct answer

15) 1). Electronic transactions are happening in closed group networks and Internet. Electronic commerce is one of the most important aspects of Internet to emerge.

2). Cash transactions offer both privacy and anonymity as it does not contain information that can be used to identify the parties nor the transaction history.

3). To support e-commerce, we need effective payment systems and secure communication channels and data integrity.

4). The whole structure of traditional money is built on faith and so will electronic money have to be.

5). Moreover, money is worth what it is because we have come to accept it.

- A) 25413
- B) 12534
- C) 45123
- D) 43521

Answer: A

Explanation: This paragraph is about cash transaction vis-a-vis electronic commerce. The observation on cash transaction have to precede e-com .

Therefore, the paragraph must start with 2. Thus option A is the correct answer

- 16)** 1). Food manufactures spend more on advertising than any other manufacturing group and the nation's grocery stores rank first among all retailers.
- 2). Food product lead in expenditures for network and spot television advertisements, discount coupons, trading stamps, contests, and other forms of premium advertising.
- 3). Foods are overwhelming the most advertised group of all consumer products in the U.S.
- 4). In other media- newspapers, magazines, newspaper supplements, billboard and radio, food advertising expenditures rank near the top.
- A) 3421
 B) 3241
 C) 3142
 D) 4132

Answer: B

Explanation: 2 follows 3 as it confirms the information of the statement in 3. Logically, more the advertisement, more the expenses. In 4 the expenditure mentioned in advertising on food products is further elaborated. 1 sums up the thought. Thus option B is correct

- 17)** 1). If you are used to having your stimulation come in from outside, your mind never develops its own habits of thinking and reflecting
- 2). Marx thought that religion was the opiate, because it soothed people's pain and suffering and prevented them from rising in rebellion
- 3). If Karl Marx was alive today, he would say that television is the opiate of the people.
- 4). Television and similar entertainments are even more of an opiate because of their addictive tendencies.
- A) 2134
 B) 1423
 C) 2431
 D) 3241

Answer: D

Explanation: Sentence 2 has Marx (short Form) and sentence 3 has Karl Marx (Full form). So 3 will come before 2. Now in given options A and B and C, we can clearly see that 2 is placed before 3 and hence we reject option A, B and C which leaves us with only option D which is the correct option.

- 18)** 1). A difference in the frequency of usage of counter proposing between skilled and average negotiators suggests that counter proposing may not be, as effective one tends to think it would be.
- 2). I may have suggested that my son buy a pair of trousers at a certain price whereas my son would have made a counterproposal that he would rather buy two pairs at half price each.
- 3). Research conducted across several negotiators ranging from sales negotiators to purchase and labour negotiators shows that average negotiators tend to counter propose more often than skilled negotiators.
- 4). This happens in everyday life too.
- 5). Think back to the last time you were discussing completing an assignment with one of your colleagues : you may have suggested that you both come in on Saturday to finish the work and your colleague may have counter proposed that you could stay back on Friday evening and finish it instead.

- A) 31452
- B) 52134
- C) 12534
- D) 34521

Answer: D

Explanation : 3 is the opening statement. The other statements follow out of 3.

Directions to solve questions from 19 - 23 : In the following questions, groups of four words are given. In each group one word is wrongly spelt. Find out the wrongly spelt word and mark the answer.

- 19)** A) Idiotic
B) Idyllic
C) Prolific
D) Miopic

Answer: D

- 20)** A) Sympathatic
B) Generous
C) Compassionate
D) Benevolent

Answer : A

- 21)** A) Acquiesce
B) Acquire
C) Acquatic
D) Acquittal

Answer: C

- 22)** A) Manhandle
B) Associate
C) Bruere
D) Traipse

Answer: C

- 23)** A) Therapeutic
B) Barricade
C) Thermometer
D) Bureaucretic

Answer: D

24) I'll be back : Arnold :: make my day : ?

- A) George
- B) Clint
- C) Mark
- D) Tom

Answer:

Explanation: Two famous lines (although "make my day" was only the last half of Clint Eastwood's line) made by two famous actors in two famous movies

25) epitaph : grave :: epilogue : ?

- A) beginning
- B) middle
- C) end
- D) top

Answer: C

Explanation: An epitaph appears on a grave, & an epilogue appears at the end of a work.

26) An office for which no salary is paid

- A) Hospitable
- B) Free
- C) Honorary
- D) Gratis

Answer: C

Directions for questions 27 - 31 : Complete the sentences with appropriate words choosing from the options given below.

27) Because modern scientists find the ancient Greek view of the cosmos outdated and irrelevant, they now perceive it as only of _____ interest.

- A) historical
- B) intrinsic
- C) astronomical
- D) experimental

Answer: A

Explanation: (A) (Cosmos means universe) The use of the conjunction because implies that the second part of the sentence must be logical consequence of the first part. The first part says that modern scientists find the ancient view of the universe outdated and irrelevant. If so, what will be the nature of their interest in such an outdated and irrelevant view ? Certainly not intrinsic or astronomical or experimental (because astronomical theories, unlike theories of physics or chemistry are not based on experiment, but are based on observation). The phrase 'superfluous interest' does not convey any meaning to the given sentence. "That the modern scientists consider the outdated Greek theory as of only historical interest" completes a cogent sentence So, (A) is the answer

28) Dreams are _____ in and of themselves, but, when combined with other data, they can tell us much about the dreamer.

- A) uninformative
- B) starting
- C) harmless
- D) unregulated

Answer: A

Explanation: (A) (The use of the conjunction but indicates the existence of a contrast within the sentence.) The latter part of the sentence says that dreams, when they are combined with other data, can tell us much about the dreamer. In order to bring out the intended contrast, the earlier part must mean that dreams by themselves cannot tell us anything about the dreamer. Among the choices, it is the word uninformative that has this meaning and is the answer.

29) He was widely regarded as a _____ man because he revealed daily his distrust of human nature and human motives.

- A) disrespectful
- B) cynical
- C) confused
- D) misinformed

Answer: B

Explanation: (B) The use of conjunction because shows that the first part of the sentence must be logical and consequent result of what is stated in the second part. The missing adjective. In the sentence must therefore describe a person who consistently shows distrust of human nature and human motives. Cynical is the exact word which describes such a person, and is the answer.

30) Within the tribal government of the Crow Indians, the clan system serves as a method of checks and balances that_____the assumption of authoritarian rule by any one clan.

- A) determines
- B) prevents
- C) examines
- D) delegates

Answer: B

Explanation: (B) If the clan system serves as method of checks and balances the natural result will be that any one clan cannot assume authoritarian rule over all the others. So the obvious role of the clan system is to prevent the emergence of such an authoritarian rule. So, (B) is the answer.

You can easily verify that none of the other choices lends a logical meaning to the given sentence.

31) The life of Rumel, who enhanced his own political strength as he fought for his people's freedom, suggests that not all liberation movements result in the_____of their leaders.

- A) corruption
- B) canonization
- C) self-glorification
- D) downfall

Answer: D

Explanation: D) The word not in the second half of the sentence indicates a contradiction in ideas within the sentence. It is stated that Rumel's political strength had enhanced (meaning increased) even while he was fighting for his people's freedom. Because of the suggestion of a contradiction within the sentence, the missing word must mean the opposite of enhancement of strength. Among the choices, down fall is the only word that has this meaning, and is the answer.

Directions to solve questions from 32 – 40: Read the passage carefully and answer the questions given below.

The education sector in India is in a ferment, hit by a storm long waiting to happen. The butterfly that happed its wings was the much-reiterated statement in a much-publicized report that hardly a fourth of graduating engineers, and an even smaller percentage of other graduates, was of employable quality for IT-BPO jobs. This triggered a cyclone when similar views were echoed by other sectors and led to widespread debate. Increased industry-academia interaction, "finishing schools", and other efforts were initiated as immediate measures to bridge skill deficits. These, however, did not work as some felt that these are but Band-Aid solutions; instead, radical systemic reform is necessary.

Yet, there will be serious challenges to overdue reforms in the education system. In India-as in many countries education is treated as a holy cow; sadly, the administrative system that oversees it has also been deceived. Today, unfortunately, there is no protest against selling drinking water or paying to be cured of illness, or for having to buy food when one is poor and starving; nor is there an outcry that in

all these cases there are commercial companies operating on a profit making basis. Why, then, is there an instinctively adverse reaction to the formal entry of for-profit institutes in the realm of education? Is potable water, health or food, less basic need, less important a right, than higher education?

While there are strong arguments for free or subsidized higher education, we are not writing on a blank page. Some individuals and businessmen had entered this sector long back and found devious ways of making money, though the law stipulates that educational institutes must be 'not-for-profit' trusts or societies. Yet, there is opposition to the entry of for-profit corporates, which would be more transparent and accountable. As a result, desperately needed investment in promoting the wider reach of quality education has been stagnated at a time when financial figures indicate that the allocation of funds for the purpose is but a fourth of the need.

Well-run corporate organizations, within an appropriate regulatory framework, would be far better than the so called trusts which-barring some noteworthy exceptions-are a blot on education. However, it is not necessarily a question of choosing one over the other: different organizational forms can coexist, as they do in the health sector. A regulatory framework which creates competition, in tandem with a rating system, would automatically ensure the quality and relevance of education. As in sectors like telecom, and packaged goods, organizations will quickly expand into the hinterland to tap the large unmet demand. Easy Loan/scholarship arrangements would ensure affordability and access.

The only real structural reform in higher education was the creation of the institutes for technology and management. They were also given autonomy and freedom beyond that of the universities. However, in the last few years, determined efforts have been underway to curb their autonomy. These institutes, however, need freedom to decide on recruitment, salaries and admissions, so as to compete globally. However, such institutes will be few. Therefore, we need a regulatory framework that will enable and encourage States and the Centre, genuine philanthropists and also corporates to set up quality educational institutions. The regulatory system needs only to ensure transparency, accountability, competition and widely-available independent assessments or ratings. It is time for radical thinking, bold experimentation and new structures; it is time for the government to bite the bullet.

32) Why, according to the author, did the initiatives such as increased industry-academia and finishing schools did not help to bridge the skill deficit?

(A) These steps were only superficial remedies and the problem could be answered only by reforming the entire education system.

(B) These initiatives operated on a profit-making basis rather than aiming at any serious systemic reforms.

(C) The allocation of funds to such initiatives was only one-fourth of the need,

(1) Only A

(2) Only B

(3) Only B and C

(4) Only A and B

(5) None of these

Answer: (1)

33) Which of the following suggestions have been made by the author to improve the state of education in India?

(A) Allowing the corporate organizations to enter the education sector

(B) Easy availability of loans and scholarships for making education more affordable

(C) A rating system for all the organizations to ensure quality

- (1) Only A
- (2) Only A and B
- (3) Only A and C
- (4) All A B and C
- (5) None of these

Answer: (4)

34) According to the author, what 'triggered a cyclone' which saw similar views on the state of education being echoed across other sectors as well?

- (1) The campaign for allowing corporates in the education sector on a 'for-profit' basis
- (2) The support for the increase in the industry-academia interaction
- (3) The report mentioning that only a small percentage of graduates were employable in software industry
- (4) The report supporting the idea of making education completely 'for-profit' in order to improve upon the standards
- (5) None of these

Answer: 3

35) Which argument does the author put forward when he compares the education sector with sectors catering to health, potable water etc.?

- (1) Education should also be provided free of cost to all as health services and water.
- (2) Taking an example from these sectors, there should be a protest against the commercialization of education as well 1
- (3) Allowing corporate entry in education would result in rampant corruption as in the sectors of health, potable water etc.
- (4) As in these sectors, commercial organizations should also be allowed to enter the education sector
- (5) None of these

Answer: 4

36) What does the author mean by the phrase 'we are not writing on a blank page' in the context of the passage?

- (1) Corporates would never enter education if they are forced to function on a non-profit-making basis.
- (2) The commercialization of education has already started in India.
- (3) Education has been reduced to a profit-making sector by some corporate organizations.

(4) Government will not allow corporates to enter education as India can't afford to have costly education.

(5) None of these

Answer: 2

37) What is the author's main objective in writing the passage?

(1) To suggest the ways to improve quality of education in India

(2) To highlight the corruption present in the education sector

(3) To compare the education sector with other sectors

(4) To suggest some temporary solutions to the problems in education

(5) None of these

Answer: 1

38) According to the author, which of the following was the only step taken in order to reform higher education?

(1) Allowing organizations to enter the education sector on a 'for-profit' basis

(2) Creation of autonomous institutes for management and technology which were not under university control

(3) Setting up the regulatory framework for all the existing universities

(4) Making the availability of educational loans and scholarships easier

(5) None of these

Answer : 2

39) Which suggestion does the author make in order to make the institutes of higher learning for technology and management capable of competing globally?

(1) To limit their autonomy to acceptable limits and give partial controls to the government

(2) To allow corporate organizations to take them over in order to provide more funds

(3) To increase the allocation of funds to such institutes

(4) All of these

(5) None of these

Answer : 5

40) Which of the following is not true in the context of the given passage?

(1) According to the law, education institutes should not be run for profit.

(2) There has been no protest against the selling of drinking water and paying for health services.

(3) Only either corporate organizations or government-controlled organizations can exist in the education sector.

(4) The introduction of 'for-profit' corporates in the education sector has been facing a lot of criticism.

(5) All are true

Answer: 3