

# LVL2 A PTITUDE TEST 1 ~HITBUL

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**DIRECTIONS for the question:** Answer the following question as per the best of your judgement.

A train approaches a tunnel AB. Inside the tunnel a cat located at a point that is  $\frac{3}{8}$  of the distance AB measured from the entrance A. When the train whistles the cat runs. If the cat moves to the entrance of the tunnel A, the train catches the cat exactly at the entrance. If the cat moves towards the exit B, the train catches the cat exactly at the exit. The speed of the train is greater than the speed of the cat by what order?

- 3:1
- 4:1
- 5:1
- None of these

## Explanation

Let the speed of cat = 1 kmph and let the total distance = 8 km.

So cat is at 3 km from entrance and 5 km from exit.

In the first case, when the train and the cat are meeting at the entrance, we say that cat is covering 3 kms in 3 hrs.

In the 2<sup>nd</sup> case, cat is covering 5 kms in 5 hrs as it catches the train at the exit which further means that the train has covered  $(3 + 5)$  i.e 8 kms in  $(5 - 3)$  i.e 2 hrs. So speed of train is 4 kmph. Hence the ratio of their speeds is 4 : 1. Hence speed of the train is greater by 3 : 1 than that of the cat.

Correct answer is: A

Question No: 2

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

- Sunday
- Monday

Wednesday

Friday

**Explanation**

7<sup>th</sup> day should be Tuesday as Tuesday is 3 days before Friday. Then 14th and 21st are also Tuesday. Therefore, 19th should be a Sunday.

Correct answer is: A

Question No: 3

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Raman has a square cardboard of area 4 sq.ft (the square given below), from which he clips away a smaller square of area 1 sq.ft (the shaded part of the square) from one of the corners. Now, if he wants to cut up the remaining piece of cardboard into exactly four identical smaller pieces, what is the perimeter of each of the smaller pieces?

- 4 ft.
- 3.25 ft.
- 3.5 ft.
- 3.75 ft.

**Explanation**

The shaded area must have been clipped away and the remaining cardboard can be cut to satisfy the conditions in only in one way.

Consider the following figure, the shaded region shows the piece which Raman has clipped away. Regions numbered (1), (2), (3) and (4) denotes the regions into which the remaining piece has been divided.

Perimeter of each piece = 4ft. Choice (A)

Correct answer is: A

Question No: 4

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

The average price of 10 pens is Rs. 12 while the average price of 8 of these pens is Rs. 11.75. Of the remaining two pens, if the price of one pen is 60% more than the price of the other, what is the price of each of these two pens ?

- Rs. 12, Rs.14

Rs. 5, Rs. 7.50

Rs. 8, Rs. 12

Rs. 10, Rs. 16

**Explanation** Average price of 10 pens = 12

Total price of 10 pens =  $12 \times 10 = 120$

Average price of 8 pens = 11.75

Total price of 8 pens =  $11.75 \times 8 = 94$

Total price of 2 pens =  $120 - 94 = 26$

Let price of first pen = P

Price of other pen = 60% more than first pen =  $1.6P$

$$P + 1.6P = 26$$

$$2.6P = 26$$

$$P = 10$$

Price of first pen = Rs. 10

Price of other pen = Rs. 16

Correct answer is: D

Question No: 5

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A bottle is full of dettol. One-third of it is taken out and then an equal amount of water is poured into the bottle to fill it. This operation is done four times. Find the final ratio of dettol and water in the bottle.

13 : 55

20 : 74

16 : 65

10 : 48

**Explanation**

Correct answer is: C

Question No: 6

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If the value of  $a^4 + 1/a^4 = 119$  then find the value of  $a^3 - 1/a^3$ .

- 36
- 27
- 8
- 64

**Explanation**

Correct answer is: A

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Question No: 7

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**Directions for the Question :** Solve the following question and mark the best possible option.

greater than 2

less than 2

0

**Explanation**

Hence the answer is option A

Correct answer is: A

Question No: 8

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If 5478A87B is divisible by 66, then what is the value of A and B respectively?

- 3 and 2
- 5 and 4
- 6 and 3
- 7 and 2

**Explanation**

5478A87B is divisible by 66 means it should be divisible by 6 and 11.

For the given no. to be divisible by 11,  $19+A = 20+B$ , so  $A-B$  to be 1.

Thus option C and D rules out.

Also the addition of all digits is  $39+A+B$  should to be divisible by 2, therefore B must be even and  $A+B$  must be divisible by 3, thus option B is the answer.

Correct answer is: B

Question No: 9

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**DIRECTIONS for the question:** Mark the correct option

If 63% of Indians like milk and 76% like tea, if every Indian likes atleast one of milk or tea. How many of Indians like both milk and tea?

- 37%
- 24%
- 31%
- 39%

**Explanation**

$N(A \cup B) = N(A) + N(B) - N(A \cap B)$ . Thus applying the formula,  $100 = 63 + 76 - (A \cap B)$ . Thus Indians who like both milk and tea are 39%. Thus answer is 4th option.

Correct answer is: D

Question No: 10

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**DIRECTION for the question:** Solve the following question and mark the best possible option.

Sonali invest 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary in shopping and on household expenses. She saves the remaining amount of Rs. 12,750. What is Sonali's monthly income ?

- Rs. 42,500
- Rs. 38,800

Rs. 40,000

Rs. 35,500

**Explanation**

The total expenditure of Sonali =  $15\% + 55\% = 70\%$  of her salary. Therefore her savings =  $30\%$  of her salary. Hence  $30\%$  of salary = Rs 12,750. Solving we get total salary = Rs 42,500.

Hence, option A is the correct answer.

Correct answer is: A

Question No: 11

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**DIRECTIONS for the question:** Mark the best option:

How many 6 digit even telephone numbers can be formed if each number starts with 67 and no digit appears more than once?

1680

240

840

1260

**Explanation** The first two places can only be filled by 6 and 7 respectively and there is only 1 way for doing this.

Given that no digit appears more than once. Now we have 8 digits remaining i.e.

0,1,2,3,4,5,8,9

Now as telephone numbers are even, so at for unit place only 4 ways are possible i.e. 0, 2, 4, 8. So, the next 4 places can be filled in  $4 \times 7 \times 6 \times 5 = 840$  ways

Correct answer is: C

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Question No: 12

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A finishes a piece of work in 4 days. B takes double the time of A. C takes double the time of B and D takes double the time of C. The four of them are grouped into 2 pairs. One pair takes  $\frac{2}{3}$ rd the time needed by the second pair. Who are the members of the first pair?

A, B

A, C

B, C

A, D

**Explanation**

if A takes 4 days then B takes 8 days, C takes 16 days and D takes 32 days

A and D's one day work =  $(1/4) + (1/32) = 9/32$

so A and D will take  $32/9$  days

similarly B and C will take  $16/3$  days

so pairs are (A and D) and (B and C)

Correct answer is: D

Question No: 13

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Mixture of milk and water has been kept in two separate containers. Ratio of milk to water in one of the containers is 5 : 1 and that in the other container is 7 : 2. In what respective ratio should the mixtures of these two containers be added together so that the quantity of milk in the new mixture may become 80%?

3 : 2

2 : 3

4 : 5

None of these

**Explanation**

Correct answer is: B

Question No: 14

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

There is piece of cloth 7.5 m long and 2.4 m wide. Out of this cloth square handkerchiefs of maximum sides are to be cut so that there is no wastage of cloth. The length of each side of the handkerchief would be

- 20 cm
- 25 cm
- 15 cm
- 30 cm

**Explanation**

To get the length of max. side with no wastage, we must take HCF of 750cm and 240cm, which is 30cm.

Correct answer is: D

Question No: 15

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

The angle of elevation of the top of a tower 30 m high, from two points on the level ground on its opposite sides are  $45^\circ$  and  $60^\circ$ . What is the distance between the two points?

- 47.32 m
- 38.12 m
- 41.23 m
- 52.10 m

**Explanation**

$$x = 30 / \tan 45^\circ = 30$$

$$\text{Distance between two points} = 30 + 17.32 = 47.32\text{m}$$

Correct answer is: A

Question No: 16

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A pumping station has 4 pumps. 3 small pumps, each of which can pump at a rate that is equal to  $\frac{2}{3}$ rd the rate of one big pump. If the big pump and all the small pumps

pump all together, what will be the time taken as a fraction of the time that the big pump would take pumping alone?

- 4/7
- 1/3
- 2/3
- 3/4

**Explanation**

Correct answer is: B

Question No: 17

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**DIRECTIONS for the question:** Mark the best option:

How many triangles can be formed by 15 points in which 5 of them lie on one line and remaining 10 on another parallel line?

- 495
- 550
- 325
- 245

**Explanation**

One line will have one vertex and the other line will have two vertices.

If the line with 10 points has the single vertex, there will be 10 ways to choose it. There will be  ${}^5C_2 = 10$  possible combinations for the two vertices on the line with 5 points.  $10 \times 10 = 100$  triangles.

If the line with 5 points has the single vertex, there will be 5 ways to choose it. There will be  ${}^{10}C_2 = 45$  possible combinations for the two vertices on the line with 10 points.  $5 \times 45 = 225$  triangles.

So total triangles =  $100 + 225 = 325$

Correct answer is: C

Question No: 18

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**DIRECTION for the question:** Solve the following question and mark the best possible option.

Out of the total 90,000 votes cast in an election between two candidates, the first candidate got a total of 35% of the total valid votes. If 20% votes were declared invalid, then find the number of votes that the second candidate got.

- 41500
- 40500
- 39500
- 46800

**Explanation**

Consider the total votes cast = 100%

Now invalid votes = 20%

So left votes =  $100 - 20 = 80\%$

First candidate got = 35% of 80% = 28%.

So second candidate got =  $80 - 28 = 52\%$  of the total votes i.e. 52% of 90,000 = 46,800.

Correct answer is: D

Question No: 19

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Two equal circles touch each other externally at P. AB is a direct common tangent to the two circles and A and B are points of contact and angle PAB = 35 degrees. What is the value of angle ABP?

- $35^0$
- $55^0$
- $65^0$
- $75^0$

**Explanation**

Correct answer is: B

Question No: 20

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Average weight of some students in a class is 43 kgs. Four new students are admitted to the class whose weights are 42 kgs, 36.5 kgs, 39kgs and 42.5 kgs respectively. Now their average weight is 42.5 kg. Find the number of students in the class in the beginning.

- 20
- 25
- 50
- 10

**Explanation**

Correct answer is: A

Question No: 21

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**DIRECTIONS:** Solve the following question and mark the best possible option

- 10
- 1/100
- 1/1000
- None of these

**Explanation**

Put the option, the second option given i.e. 1/100 makes them equal.

Correct answer is: B

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Question No: 22

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**DIRECTION for the question:** Mark the best option.

A man buys apples at a certain price per dozen and sells them at eight times per hundred. What is his gain or loss per cent?

4% loss

4% gain

### **Explanation**

Let the price be Rs 1 per apple.

Therefore, 100 apples will be bought for 100 rupees i.e. Rs. 12 per dozen.

S.P of 100 apples is  $12 \times 8 = 96$ .

100 apples are bought at Rs. 100 and sold at Rs. 96, resulting in a loss of 4 %.

Correct answer is: A

Question No: 23

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**DIRECTIONS for the question:** A certain relation is defined among variables A & B.

Using the relation, answer the question given below.

$@(A, B)$  = average of A & B

$/(A, B)$  = product of A & B

$x(A, B)$  = the result when A is divided by B

The average of A, B & C is given by

$$@(x(/(@(A, B), 2), C), 3)$$

$$/(x(/(@(A, B)), C), 2)$$

$$x(@( /(@(A, B), 2) C, 3)$$

$$@(/(@(A, B), 2), C)$$

### **Explanation**

From the earlier question,  $/(@(A, B), 2) = A + B$

and  $@(A+B, C)$  is the average of A, B and C.

Correct answer is: D

Question No: 24

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Two pipes can fill a tank in 8 hours and 12 hours respectively whereas an escape pipe can empty it in 6 hours. If three pipes are opened at 5 P.M., 6 P.M. and 7 P.M. respectively, at what time will the tank be filled?

- 6.00 A.M
- 7.00 A.M
- 11.00 A.M
- 12 Noon

**Explanation**

Let total work be 24 units

Pipe A's one hour work =  $24/8 = 3$  units

Pipe B's one hour work =  $24/12 = 2$  units

Pipe C's one hour work =  $24/6 = 4$  units

Till 7 pm, work done by pipe A = 6 units

Till 7 pm, work done by pipe B = 2 units

Till 7 pm, total work done = 8 units

Work done by A+B+C in one hour =  $3+2-4=1$  unit

Thus more time needed = remaining work/work done in one hour =  $(24-8)/1$

= 16 hours, i.e. at 11 a.m.

Correct answer is: C

Question No: 25

---

**DIRECTION for the question:** Solve the following question and mark the best possible option.

A man covers a certain distance on a toy train. If the train moved 4 km/h faster, it would take 30 minutes less. If it moved 2 km/h slower, it would have taken 20 minutes more. Find the distance.

- 60 km
- 70 km
- 65 km
- 75 km

**Explanation**

Correct answer is: A

Question No: 26

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Prem invested a certain sum of money in a simple interest bond whose value grew to Rs. 300 at the end of 3 years and to Rs. 400 at the end of another 5 years. What was the rate of interest in which he invested his sum?

- 12 %
- 12.5 %
- 6.67 %
- 8.33 %

**Explanation**

Since, in 5 years the amount grew from Rs. 300 to Rs. 400.  
So simple interest added in 5 years = Rs. 400 - Rs. 300 = Rs. 100  
Hence, the interest for 1 year =  $Rs. 100/5 = Rs. 20$   
=> The interest for 3 years = Rs. 60  
We know, Amount = Principal + Simple Interest  
=> Principal = Amount - Simple Interest  
=> Principal =  $Rs. 300 - Rs. 60 = Rs. 240$   
Also,  $SI = (P \times R \times T)/100$   
=> for one year,  $20 = (240 \times R \times 1)/100$   
=> rate of interest =  $100/12 = 8.33\%$   
Hence, option D is the correct answer.

Correct answer is: D

Question No: 27

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

How many numbers are there from 1 to 200, which are divisible by 2, 3 and 5 but not 12?

- 2
- 1
- 3
- 4

**Explanation**

The numbers divisible by 2,3 & 5 from 1 to 200 are 30, 60, 90, 120, 150, 180.  
Out of these, there are 3 multiples of 12 i.e. 60, 120 and 180.  
So there are 3 numbers from 1 to 200 which are divisible by 2, 3, 5 but not by 12

So option C.

Correct answer is: C

Question No: 28

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A person invested some amount at the rate of 12 % simple interest and a certain amount at the rate of 10 % simple interest. He received yearly interest of Rs. 130. But if he had interchanged the amounts invested, he would have received Rs. 4 more as interest. How much did he invest at 12 % simple interest?

- Rs. 700
- Rs. 500
- Rs. 800
- Rs. 400

**Explanation**

Let the money be invested at 12% be Rs. x and that be invested at 10% be Rs. y.

So, 12% of x + 10% of y = 130

$$\Rightarrow 12x/100 + 10y/100 = 130$$

$$\Rightarrow 6x + 5y = 6500 \text{ ----- (i)}$$

and 10% of x + 12% of y = 134

$$\Rightarrow 10x/100 + 12y/100 = 134$$

$$\Rightarrow 5x + 6y = 6700 \text{ ----- (ii)}$$

Multiplying (i) by 6 and (ii) by 5 and then subtracting, we get

$$x = 500$$

Hence, he invested Rs. 500 at 12 % simple interest.

Option B is the correct answer.

Correct answer is: B

Question No: 29

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Fifty college teachers are surveyed as to their possession of colour TV, VCR and tape recorder. Of them, 22 own colour TV, 15 own VCR and 14 own tape recorders. Nine of these college teachers own exactly two items out of colour TV, VCR and tape recorder;

and, one college teacher owns all three. How many of the 50 teachers own none of the three, colour TV, VCR or tape recorder?

- 4
- 9
- 10
- 5

**Explanation**

We know that  $x + y + z = T$  and  $x + 2y + 3z = R_T$ , where  
 $x$  = number of members belonging to exactly 1 set,  
 $y$  = number of members belonging to exactly 2 sets = 9,  
 $z$  = number of members belonging to exactly 3 sets = 1,  
 $T$  = Total number of members,  
 $R_T$  = Repeated total of all the members =  $(22+15+14) = 51$ .

Thus we have two equations and two unknowns.

Solving this we get  $T = 40$ .

In other words, the number of teachers owing at least 1 out of the three items = 40.

Hence the number of teachers owing none =  $50 - 40 = 10$ .

Correct answer is: C

Question No: 30

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A boat takes 19 hours for travelling downstream from point A to point B and coming back to a point C midway between A and B. If the velocity of the stream is 4 km/h and the speed of the boat in still water is 14 km/h, what is the distance between A and B?

- 200 km
- 180 km
- 160 km
- 220 km

**Explanation**

Speed of boat for downstream =  $14 + 4 = 18$  km/hr

Speed of boat for upstream =  $14 - 4 = 10$  km/hr

Distance =  $x$

$$x / 18 + (x / 2) / 10 = 19. \text{ So } x = 180 \text{ km}$$

Correct answer is: B

Question No: 31

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**DIRECTIONS for the question:** Solve the following question and mark the best option.

If the sum of the first 11 terms of an arithmetic progression equals that of the first 19 terms, then what is the sum of the first 30 terms?

- 0
- 1
- 1
- Not unique

**Explanation** Given,  $S_{11} = S_{19}$

$$\begin{aligned}\Rightarrow \frac{11}{2}(2a + 10d) &= \frac{19}{2}(2a + 18d) \\ \Rightarrow 22a + 110d &= 38a + 342d \\ \Rightarrow 16a + 232d &= 0 \\ \Rightarrow 2a + 29d &= 0 \\ S_{30} &= \frac{30}{2}(2a + 29d) = 0\end{aligned}$$

Correct answer is: A

Question No: 32

---

**DIRECTIONS:** Solve the following question and mark the best possible option

A milkman buys milk contained in 10 vessels of equal size. If he sells his milk at Rs. 5 a litre, he loses Rs. 200; if he sells it at Rs. 6 a litre, he would gain Rs. 150 on the whole. Find the number of litres contained in each vessel.

- 20 litres
- 30 litres
- 25 litres
- 35 litres

**Explanation**

Suppose each vessel contains  $x$  liters of milk.

Therefore, total milk present is  $10x$ .

$$\begin{aligned}\text{Now, } 60x - 50x &= (200 + 150) \\ \Rightarrow 10x &= 350, \\ \Rightarrow x &= 35\end{aligned}$$

Correct answer is: D

Question No: 33

---

**DIRECTIONS for the question:** A certain relation is defined among variables A & B.

Using the relation, answer the question given below.

$@ (A, B)$  = average of A & B

$/(A, B)$  = product of A & B

$x (A, B)$  = the result when A is divided by B

The sum of A & B is given by

$/(@ (A, B), 2)$

$@ (/ (A, B), 2)$

$@ (X (A, B) 2)$

None of these

**Explanation**

$/@(A,B),2) = /(A+B/2, 2) = A + B.$

Hence option 1 is the correct answer

Correct answer is: A

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Question No: 34

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

64°

65°

60°

75°

**Explanation**

We have the property,

Exterior angle is equal to the sum of interior angles, therefore,

$$\angle ACD = \angle A + \angle B,$$

Therefore,  $\angle A = 64$

Hence, the correct answer is option 1.

Correct answer is: A

Question No: 35

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**DIRECTION for the question:** Mark the best option.

Even after reducing the marked price of a transistor by Rs. 32, a shopkeeper makes a profit of 15%. If the cost price be Rs. 320, what percentage of profit would he have made if he had sold the transistor at the marked price?

- 25%
- 20%
- 10%
- 15%

**Explanation**

Let  $x$  be the marked price,

So  $x - 32 = 320 \times 1.15 \Rightarrow x = 400$ .

If he sells it at MP then profit =  $400 - 320 = \text{Rs } 80$

%age Profit =  $80 \times 100 / 320 = 25\%$

Correct answer is: A

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Question No: 1

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**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

In a parking lot, there are seven vehicles parked in a row. Each of the vehicles is a car or a scooter or a bike. Each of the vehicles is owned by exactly one person among Ankita, Nitika and Ritika. Each person owns at least one vehicle. There is at least one vehicle of each type. No two of them own the same number of vehicles. For any two types of

vehicles, the total number is different. All the vehicles of a particular type (if more than 1) is not owned by the same person and no one owned more than two vehicles of any one type. The names of the seven vehicles are - Kawasaki, Yamaha, Zen, Bajaj, Alto, Ritz and Priya. All the vehicles of a particular type are not parked together. No two vehicles owned by the same person are adjacent to each other. Each of Ankita's vehicles is to the immediate left of a scooter. Yamaha is owned by Nitika and is parked at one end of the row. Kawasaki is two places away to the right of Bajaj and these two are owned by the same person. Neither Kawasaki nor Bajaj is at any end of the row. Ritz, a bike, is adjacent to a scooter and a car and each of these three is owned by a different person. Zen is to the right of Alto which is owned by Ritika. Priya is to the left of Ritz. Ritika owns a scooter.

Which of the following gives the complete list of the vehicles owned by Nitika?

- Yamaha, Kawasaki, Priya and Bajaj
- Yamaha, Ritz, Kawasaki and Zen
- Yamaha and Ritz
- None of these

#### **Explanation**

There are seven vehicles of three types and three owners. No two types of vehicles are same in number and no two among the owners have the same number of vehicles.

Hence the number of vehicles of each type is 4, 2 and 1 and the number of vehicles with each of them is 4, 2 and 1 in any order.

As, no two vehicles owned by the same person are adjacent to each other, the vehicles of the person who own four vehicles will be at the first, third, fifth and seventh positions. As, the vehicle owned by Nitika is at one end, Nitika owned four vehicles.

Now, as Ritz, the bike is adjacent to a scooter and a car and as these three are owned by different persons, the vehicle at the middle, i.e., Ritz must be one of the vehicles owned by Nitika, as his vehicles occupy alternate positions. So, Ritz must be the third or the fifth vehicle from the left end.

As Kawasaki is two places away to the right of Bajaj, and neither Kawasaki nor Bajaj is parked at any of the ends of the row, these two vehicles are not owned by Nitika.

∴ These two vehicles are parked at 2<sup>nd</sup> and 4<sup>th</sup> or 4<sup>th</sup> and 6<sup>th</sup> positions respectively.

Again, it is given that Alto is owned by Ritika.

Hence, the vehicles owned by Nitika are - Priya, Ritz, Zen and Yamaha.

As Kawasaki and Bajaj are owned by the same person, that person must be Ankita, we know Ritika is the owner of Alto.

As each of Ankita's vehicles i.e., Bajaj and Kawasaki is to the immediate left of a scooter, Ritz must be parked at the third position and Kawasaki and Bajaj are parked at 6<sup>th</sup> and 4<sup>th</sup> positions respectively from the left.

As Priya is to the left of Ritz, Priya must be parked at the first position from the left.

∴ Yamaha and Zen are parked at the 7<sup>th</sup> and 5<sup>th</sup> positions respectively from the left.∴ The vehicles parked at the 5<sup>th</sup> and 7<sup>th</sup> positions from the left must be scooters. So, Zen and Yamaha are scooters. Also, Alto, owned by Ritika must be parked at the second from the left.

⇒ Bajaj must be a car, since Ritz is adjacent a scooter and a car.

∴ There are more than two scooters, which implies there are four scooters. As, no person owns a particular type of vehicle more than two, the other scooter must be owned by

Ankita. Priya cannot be a bike, in that case, both the bikes owned by Nitika, which is not possible. Hence, Priya is a car. The final arrangement is as follows.

Priya	Alto	Ritz	Bajaj	Zen	Kawasaki	Yamaha
Car	Scooter	Bike	Car	Scooter	Scooter	Scooter
Nitika	Ritika	Nitika	Ankita	Nitika	Ankita	Nitika

The complete list is – Priya, Ritz, Zen and Yamaha.

Correct answer is: D

Question No: 2

**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

A @ B means A is not greater than B

A # B means A is not smaller than B

A = B means A is neither equal to nor greater than B

A & B means A is neither equal to nor less than B

A % B means A is equal to B

Statements : D = F, E # F, H = E

I. D & H                    II. E & D

If only I is true

If only II is true

If either I or II is true

If neither I nor II is true

**Explanation** Here the statements are  $D = F$ ,  $E \# F$ ,  $H = E$  or  $D < F$ ,  $E \geq F$ ,  $H < E$

Therefore  $D < F \leq E > H$

Conclusion I: No relation can be found between D and H

Conclusion II: As  $D < F \leq E \Rightarrow E > D$ , which is true.

Correct answer is: B

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Question No: 3

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

From a point, Rajneesh started walking towards east and walked 35 m. He then turned towards his right and walked 20 m and he again turned right and walked 35 m. Finally he turned to his left and walked 20 m and he reached his destination. Now how far is he from his starting point?

- 55m
- 50m
- 20m
- 40m

**Explanation**

Correct answer is: D

Question No: 4

---

**DIRECTIONS for the question:** In the question below are given four Statements followed by three conclusions numbered I, II, and III. You have to take the given statements to be true even if they seem to be at a variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:** Some towers are pillars. Some pillars are buildings. All buildings are flats. No flat is house.

**Conclusions:** I. No building is house. II. Some towers are houses. III. Some towers are flats.

- None follows
- Only I follows
- Only II & III follow
- All follow

**Explanation**

or

Only conclusion I follows.

Correct answer is: B

Question No: 5

---

**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

None is true

Only I is true

Only II is true

Only III is true

**Explanation**

$M < K$

$V < W \leq K$

$V \leq N$ . Answer (4) satisfies.

Correct answer is: D

Question No: 6

---

**DIRECTIONS for the question:** Read the following information and choose the best alternative:

Following are the conditions for selection of Finance Manager in an Organisation. The candidate must –

- I. Be an M.Com / M.Sc. / M.B.A. Finance with 1st class (60%)
- II. Have an experience of working in the related area at least for 3 years after the desired qualification.
- III. Have passed the selection test with at least 75 % marks.
- IV. Be not less than 21 years and not more than 30 years of age as on 1.1.2011.

However, if a candidate fulfils all the above criteria except –

- (i) (ii) above, but has an experience of more than 6 months and has obtained at least 70% marks at the degree examination the case may be referred to the Zonal Manager of the organization,

(ii) (IV) above, but less than 32 years of age and has minimum 4 years post-qualification experience of working in the related area, the case may be referred to the H.R. Head of the organization.

In question, detailed information of one candidate is provided. You have to read the information provided carefully and decide which of the following courses of actions you will adopt as regarding status of the candidate based on the conditions stated above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.1.2011. You have to indicate your decision by marking relevant option.

Tejas Rane passed his M.Com with 89% marks, after which he completed M.B.A finance in the year 2010. He worked in a bank as Management Trainee from March 2010 until date. He secured 91 % marks in Selection test. His date of birth is 3.12.1985

The candidate is to be selected.

The candidate is not to be selected.

Case is to be referred to the Zonal Manager.

Case is to be referred to the H.R. Head.

**Explanation**

Tejas doesn't have the required work ex. But he does have more than 6 months of work ex. And also has more than 70 % marks in degree

Correct answer is: C

Question No: 7

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Deepak said to Nitin, "That boy playing football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak ?

- Nephew
- Brother
- Son
- Brother-in-law

**Explanation**

"Daughter of my father's wife" represents his sister, therefore the answer would be brother.

Correct answer is: B

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Question No: 8

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

Eight students- A through H- are sitting around a circular table. Each of them studies exactly one subject among Maths, Physics and Chemistry. Each subject is studied by at least two students and no two students who study the same subject sit either adjacent to or opposite each other.

Further, it is known that

- (i) A does not study Maths and G, who studies Physics, is to the right of C.
- (ii) B is opposite C, who studies Maths, and adjacent to D, who also studies Maths.
- (iii) E is to right of A and F is to the right of B.

The person who is sitting opposite H studies

- Physics
- Maths
- Chemistry
- Cannot be determined

**Explanation**

From conditions (i) & (ii) the places of the persons can be fixed as follows

As F is to the right of B, D should be towards the left of B.

A is to the right of F and H is between D and G.

As, D studies Maths and G studies Physics, H must study Chemistry.

As A is opposite to H, he cannot study Chemistry

A studies Physics      E studies Chemistry  
Thus the final arrangement is as follows

From the arrangement we can see that A sits opposite H and studies physics.

Correct answer is: A

Question No: 9

---

**DIRECTIONS for the question:** The question are based on the diagram given below showing four persons stationed at the four corners of a square piece of plot as shown.

From the original position, B and D move one and a half length of sides clockwise and anticlockwise respectively. Which one of the following statements is true ?

- B and D are both at the midpoint between A and C
- B is at the midpoint between A and C, and D is at the corner originally occupied by A
- D is at the midpoint between A and C, and B is at the corner originally occupied by C
- B and D are both at the midpoint between A and D

**Explanation**

Just change the position as directed and get the answer

Correct answer is: A

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Question No: 10

---

**DIRECTIONS for the question:** The question contains six statements followed by four sets of combinations of three. Choose the set, which gives the most logical triad. i.e. the third statement mentioned should be a conclusion drawn from the first two statement.

- A. Some sociologists are philosophers.
- B. All philosophers are philanthropists.
- C. No philanthropists are philosophers
- D. Some philosophers are not philanthropists

- E. Some philanthropists are sociologists  
F. Some philanthropists are not sociologists

ABF

EAF

CDA

ABE

**Explanation**

In option 1, statements A and B are both *affirmative* and the concluding statement F is *negative*. This is not valid.

In option 2, statements E and A are both *particular* and therefore, no conclusion is possible.

In option 3, statements C and D are both *negative* and therefore, no conclusion is possible.

In option 4, statements A and B are *particular affirmative* and *universal affirmative* respectively and the concluding statement E is *particular affirmative*. This is valid.

Correct answer is: D

Question No: 11

---

**DIRECTIONS for the question:** What should come in place of question mark (?) in the following number/alphabetic series?

2 11 38 197 ? 8227 65806

11

38

197

1174

**Explanation**

Logic is  $2 \times 3 + 5 = 11$ ,  $11 \times 4 - 6 = 38$ ,  $38 \times 5 + 7 = 197$ ,  $197 \times 6 - 8 = 1174$ ,  $1174 \times 7 + 9 = 8227$ , Thus the missing number is 1174

Correct answer is: D

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Question No: 12

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

Eight students- A through H- are sitting around a circular table. Each of them studies exactly one subject among Maths, Physics and Chemistry. Each subject is studied by at least two students and no two students who study the same subject sit either adjacent to or opposite each other.

Further, it is known that

- (i) A does not study Maths and G, who studies Physics, is to the right of C.
- (ii) B is opposite C, who studies Maths, and adjacent to D, who also studies Maths.
- (iii) E is to right of A and F is to the right of B.

Which of the following statements is definitely true?

If B studies Physics, then A studies Chemistry.

If F studies Maths, then B studies Physics.

If F studies Chemistry, then H studies Physics.

If B studies Chemistry, then F studies Maths.

**Explanation**

From conditions (i) & (ii) the places of the persons can be fixed as follows

As F is to the right of B, D should be towards the left of B.

A is to the right of F and H is between D and G.

As, D studies Maths and G studies Physics, H must study Chemistry.

As A is opposite to H, he cannot study Chemistry

A studies Physics      E studies Chemistry

Thus the final arrangement is as follows

Statement A and C cannot be true as A studies Physics and H studies chemistry.  
If F studies Maths, B can study either Physics or Chemistry. Hence statement (B) need not be definitely true.  
If B studies chemistry, then F must study Maths. Hence option (D) is definitely true. Choice (D).

Correct answer is: D

Question No: 13

---

**DIRECTIONS for the question:** Solve the following question and mark the most appropriate option.

Mohan is thirteenth from the left end in a row of children. Prabir is twelfth from the right end and eighteenth from the left end. How many children are towards the right of Mohan in that row?

- 12
- 17
- 18
- None of these

**Explanation**

x x x x x x x x x x x x x x x x M x x x x x P x x x x x x x x x x x x x x x x .

Since there are 29 children, there are 16 children to the right of Mohan.

Correct answer is: D

Question No: 14

---

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

If the expenditure of Company B in 2003 was Rs. 1.75 lakh, what was its percent profit in that year? (rounded off to two digits after decimal)

- 38.29
- 42.86
- 53.41
- 58.64

**Explanation**

Correct answer is: B

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Question No: 15

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

In a parking lot, there are seven vehicles parked in a row. Each of the vehicles is a car or a scooter or a bike. Each of the vehicles is owned by exactly one person among Ankita, Nitika and Ritika. Each person owns at least one vehicle. There is at least one vehicle of each type. No two of them own the same number of vehicles. For any two types of vehicles, the total number is different. All the vehicles of a particular type (if more than 1) is not owned by the same person and no one owned more than two vehicles of any one type. The names of the seven vehicles are - Kawasaki, Yamaha, Zen, Bajaj, Alto, Ritz and Priya. All the vehicles of a particular type are not parked together. No two vehicles owned by the same person are adjacent to each other. Each of Ankita's vehicles is to the immediate left of a scooter. Yamaha is owned by Nitika and is parked at one end of the row. Kawasaki is two places away to the right of Bajaj and these two are owned by the same person. Neither Kawasaki nor Bajaj is at any end of the row. Ritz, a bike, is adjacent to a scooter and a car and each of these three is owned by a different person. Zen is to the right of Alto which is owned by Ritika. Priya is to the left of Ritz. Ritika owns a scooter.

Which of the following gives the complete list of the cars?

- Priya and Yamaha
- Bajaj, Ritz, Yamaha and Kawasaki
- Alto, Priya and Zen
- Priya and Bajaj

#### **Explanation**

There are seven vehicles of three types and three owners. No two types of vehicles are same in number and no two among the owners have the same number of vehicles. Hence the number of vehicles of each type is 4, 2 and 1 and the number of vehicles with each of them is 4, 2 and 1 in any order.

As, no two vehicles owned by the same person are adjacent to each other, the vehicles of the person who own four vehicles will be at the first, third, fifth and seventh positions. As, the vehicle owned by Nitika is at one end, Nitika owned four vehicles.

Now, as Ritz, the bike is adjacent to a scooter and a car and as these three are owned by different persons, the vehicle at the middle, i.e., Ritz must be one of the vehicles owned by Nitika, as his vehicles occupy alternate positions. So, Ritz must be the third or the fifth vehicle from the left end.

As Kawasaki is two places away to the right of Bajaj, and neither Kawasaki nor Bajaj is parked at any of the ends of the row, these two vehicles are not owned by Nitika.

∴ These two vehicles are parked at 2<sup>nd</sup> and 4<sup>th</sup> or 4<sup>th</sup> and 6<sup>th</sup> positions respectively.

Again, it is given that Alto is owned by Ritika.

Hence, the vehicles owned by Nitika are - Priya, Ritz, Zen and Yamaha.

As Kawasaki and Bajaj are owned by the same person, that person must be Ankita, we know Ritika is the owner of Alto.

As each of Ankita's vehicles i.e., Bajaj and Kawasaki is to the immediate left of a scooter, Ritz must be parked at the third position and Kawasaki and Bajaj are parked at 6<sup>th</sup> and 4<sup>th</sup> positions respectively from the left.

As Priya is to the left of Ritz, Priya must be parked at the first position from the left.

∴ Yamaha and Zen are parked at the 7<sup>th</sup> and 5<sup>th</sup> positions respectively from the left.∴ The vehicles parked at the 5<sup>th</sup> and 7<sup>th</sup> positions from the left must be scooters. So, Zen and Yamaha are scooters. Also, Alto, owned by Ritika must be parked at the second from the left.

⇒ Bajaj must be a car, since Ritz is adjacent a scooter and a car.

∴ There are more than two scooters, which implies there are four scooters. As, no person owns a particular type of vehicle more than two, the other scooter must be owned by Ankita. Priya cannot be a bike, in that case, both the bikes owned by Nitika, which is not possible. Hence, Priya is a car. The final arrangement is as follows.

Priya	Alto	Ritz	Bajaj	Zen	Kawasaki	Yamaha
Car	Scooter	Bike	Car	Scooter	Scooter	Scooter
Nitika	Ritika	Nitika	Ankita	Nitika	Ankita	Nitika

Priya and Bajaj are the Cars.

Correct answer is: D

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Question No: 16

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**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

In a parking lot, there are seven vehicles parked in a row. Each of the vehicles is a car or a scooter or a bike. Each of the vehicles is owned by exactly one person among Ankita, Nitika and Ritika. Each person owns at least one vehicle. There is at least one vehicle of each type. No two of them own the same number of vehicles. For any two types of vehicles, the total number is different. All the vehicles of a particular type (if more than 1) is not owned by the same person and no one owned more than two vehicles of any one type. The names of the seven vehicles are - Kawasaki, Yamaha, Zen, Bajaj, Alto, Ritz and Priya. All the vehicles of a particular type are not parked together. No two vehicles owned by the same person are adjacent to each other. Each of Ankita's vehicles is to the immediate left of a scooter. Yamaha is owned by Nitika and is parked at one end of the row. Kawasaki is two places away to the right of Bajaj and these two are owned by the same person. Neither Kawasaki nor Bajaj is at any end of the row. Ritz, a bike, is adjacent to a scooter and a car and each of these three is owned by a different person. Zen is to the right of Alto which is owned by Ritika. Priya is to the left of Ritz. Ritika owns a scooter.

Which of the following gives the correct combination of the vehicle, type of vehicle and the owner?

- Priya - Scooter - Nitika
- Bajaj - Scooter – Nitika
- Zen - Scooter - Nitika
- Ritz - Bike – Ankita

#### **Explanation**

There are seven vehicles of three types and three owners. No two types of vehicles are same in number and no two among the owners have the same number of vehicles.

Hence the number of vehicles of each type is 4, 2 and 1 and the number of vehicles with each of them is 4, 2 and 1 in any order.

As, no two vehicles owned by the same person are adjacent to each other, the vehicles of the person who own four vehicles will be at the first, third, fifth and seventh positions.

As, the vehicle owned by Nitika is at one end, Nitika owned four vehicles.

Now, as Ritz, the bike is adjacent to a scooter and a car and as these three are owned by different persons, the vehicle at the middle, i.e., Ritz must be one of the vehicles owned by Nitika, as his vehicles occupy alternate positions. So, Ritz must be the third or the fifth vehicle from the left end.

As Kawasaki is two places away to the right of Bajaj, and neither Kawasaki nor Bajaj is parked at any of the ends of the row, these two vehicles are not owned by Nitika.

∴ These two vehicles are parked at 2<sup>nd</sup> and 4<sup>th</sup> or 4<sup>th</sup> and 6<sup>th</sup> positions respectively.

Again, it is given that Alto is owned by Ritika.

Hence, the vehicles owned by Nitika are - Priya, Ritz, Zen and Yamaha.

As Kawasaki and Bajaj are owned by the same person, that person must be Ankita, we know Ritika is the owner of Alto.

As each of Ankita's vehicles i.e., Bajaj and Kawasaki is to the immediate left of a scooter, Ritz must be parked at the third position and Kawasaki and Bajaj are parked at 6<sup>th</sup> and 4<sup>th</sup> positions respectively from the left.

As Priya is to the left of Ritz, Priya must be parked at the first position from the left.  
∴ Yamaha and Zen are parked at the 7<sup>th</sup> and 5<sup>th</sup> positions respectively from the left.∴ The vehicles parked at the 5<sup>th</sup> and 7<sup>th</sup> positions from the left must be scooters. So, Zen and Yamaha are scooters. Also, Alto, owned by Ritika must be parked at the second from the left.

⇒ Bajaj must be a car, since Ritz is adjacent a scooter and a car.

∴ There are more than two scooters, which implies there are four scooters. As, no person owns a particular type of vehicle more than two, the other scooter must be owned by Ankita. Priya cannot be a bike, in that case, both the bikes owned by Nitika, which is not possible. Hence, Priya is a car. The final arrangement is as follows.

Priya	Alto	Ritz	Bajaj	Zen	Kawasaki	Yamaha
Car	Scooter	Bike	Car	Scooter	Scooter	Scooter
Nitika	Ritika	Nitika	Ankita	Nitika	Ankita	Nitika

Zen – Scooter – Nitika is the correct combination.

Correct answer is: C

Question No: 17

---

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

What is the approximate per cent increase in income of Company A in the year 2006 from the previous year?

28

11

17

8

**Explanation**

Correct answer is: C

Question No: 18

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

H  
P  
B  
M

**Explanation**

A, B, M and H are adjacent to K => P is opposite to K

A, K, P and H are adjacent to B => M is opposite to B

=> H is opposite A

Correct answer is: A

Question No: 19

---

**DIRECTIONS for the question:** *The question is followed by two statements A and B. answer the question using the following instructions.*

The average weight of students in a class is 50 kg. What is the number of students in the class?

A. The heaviest and the lightest members of the class weigh 60 kg and 40 kg respectively.

B. Exclusion of the heaviest and the lightest members from the class does not change the average weight of the students.

If the question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.

If the question can be answered by using either statement alone.

If the question can be answered by using both statements together, but cannot be answered using either statement alone.

If the question cannot be answered even by using both statements together.

**Explanation**

Statement I gives the weight of the heaviest and lightest members of the class but no indication as to the number of students in the class or the total weight of the students is there. The second statement is also inconclusive, making our answer choice as (d).

Correct answer is: D

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Question No: 20

---

**DIRECTIONS for the question:** *Read the following information and choose the best alternative:*

Following are the conditions for selection of Finance Manager in an Organisation. The candidate must –

- I. Be an M.Com / M.Sc. / M.B.A. Finance with 1st class (60%)
- II. Have an experience of working in the related area at least for 3 years after the desired qualification.
- III. Have passed the selection test with at least 75 % marks.
- IV. Be not less than 21 years and not more than 30 years of age as on 1.1.2011.

However, if a candidate fulfils all the above criteria except —

- (i) (II) above, but has an experience of more than 6 months and has obtained at least 70% marks at the degree examination the case may be referred to the Zonal Manager of the organization,
- (ii) (IV) above, but less than 32 years of age and has minimum 4 years post-qualification experience of working in the related area, the case may be referred to the H.R. Head of the organization.

In each question below, detailed information of one candidate is provided. You have to read the information provided carefully and decide which of the following courses of actions you will adopt as regarding status of the candidate based on the conditions stated above. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.1.2011. You have to indicate your decision by marking answers to each question as follows:

Give answer

- 1.if the candidate is to be selected.
- 2.if the candidate is not to be selected.
- 3.if the data is not adequate to take the decision.
- 4.if the case is to be referred to the H.R. Head.
- 5.if the case is to be referred to the Zonal Manager.

Sudha Bansal is a graduate and a M.Sc. from U.S. with 72 % marks. Her date of birth is 12<sup>th</sup> March 1978. She cleared the selection test with 88 %. She is working in a financial credit rating company from 10 yrs.

- 1
- 2
- 3
- 4

#### **Explanation**

Sudha is more than 32 yrs of age hence rejected

Correct answer is: B

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Question No: 21

**DIRECTIONS for the question:** In the following question a number series is given, after the series, below it, a number followed by (a), (b), (c), (d) is given you have to complete the series following the same sequence as that of the given series. Then answer the question.

4        8        16        32        64  
1        (a)      (b)      (c)      (d)

What will come in place of (d)?

4  
8  
16  
32

**Explanation**

Logic is next number is twice the previous number

So following the same trend,

$$1 \times 2 = 2$$

$$2 \times 2 = 4$$

$$4 \times 2 = 8$$

$$8 \times 2 = 16$$

Correct answer is: C

Question No: 22

**DIRECTIONS for the question:** Analyse the graph/s given below and answer the question that follows.

What is the average income of Company A over the years?

Rs 2,75,000

Rs 30,00,000

Rs 27,50,000

Rs 2,25,000

**Explanation**

Correct answer is: D

Question No: 23

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

LETTER	E	R	C	F	L	N	H	K	P	T	A	S	G
CODE	%	3	2	5	@	7	#	6	1	8	4	%	9

- i. If the first letter is a vowel and the last letter is a consonant, both are to be coded as last letter
- ii. If the first letter is a consonant and the last letter is a vowel, both are to be coded as 0
- iii. If the first letter as well as the last letter are vowels, both are to be coded as the code of the last letter.

NFRSCA

753%20

053%24

0232%0

053%20

**Explanation**

The first letter is consonant and last letter is vowel, both are to be coded as 0..

N F R S C A  
0 5 3 % 2 0

Hence the correct answer is option D.

Correct answer is: D

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Question No: 24

**DIRECTIONS for the question:** Solve the following question and mark the most appropriate option.

In a row of children, Bhushan is seventh from the left and Motilal is fourth from the right. When Bhushan and Motilal exchange positions, Bhushan will be fifteenth from the left. Which will be Motilal's position from the right?

- Eighth
- Fourth
- Eleventh
- Twelfth

**Explanation**

After exchanging positions, Bushan becomes fifteenth instead of seventh from the left, it means there are 7 students between these two positions. So Motilal's positions from right will become twelfth.

Correct answer is: D

Question No: 25

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

LETTER	E	R	C	F	L	N	H	K	P	T	A	S	G
CODE	%	3	2	5	@	7	#	6	1	8	4	%	9

- i. If the first letter is a vowel and the last letter is a consonant, both are to be coded as last letter
- ii. If the first letter is a consonant and the last letter is a vowel, both are to be coded as 0
- iii. If the first letter as well as the last letter are vowels, both are to be coded as the code of the last letter.

ARFTHE

- %358#%
- 4358#%
- 4358#4

%385#%

**Explanation**

A R F T H E

If both the first and last letter are vowels, then both are to be coded as code of the last letter

Hence the answer is option A.

Correct answer is: A

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Question No: 26

**DIRECTIONS for the question:** *The question is followed by two statements A and B. answer the question using the following instructions.*

A small storage tank is spherical in shape. What is the storage volume of the tank?

A. The wall thickness of the tank is 1 cm.

B. When the empty spherical tank is immersed in a large tank filled with water, 20 litres of water overflow from the large tank.

If the question can be answered by using one of the statements alone, but cannot be answered using the other statement alone.

If the question can be answered by using either statement alone.

If the question can be answered by using both statements together, but cannot be answered using either statement alone.

If the question cannot be answered even by using both statements together.

**Explanation**

Statement I gives the thickness of the wall which is of no use to find the volume of the tank since we do not know the radius of the sphere.

Statement II gives us the answer as the volume of water displaced is equal to the volume of the immersed tank (from Archimedes' principle)

So to find the exact storage volume of the tank both the statements are needed.

Correct answer is: C

Question No: 27

---

**DIRECTIONS for the question:** In the question below are given four Statements followed by three conclusions numbered I, II, and III. You have to take the given statements to be true even if they seem to be at a variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:** All flowers are fruits. No fruit is juice. Some juices are proteins. All proteins are vitamins.

**Conclusions:** I. Some vitamins are fruits. II. Some juices are vitamins. III. No flower is juice.

- Only I & II follow
- Only I & III follow
- Only I, II & III follow
- Only II & III follow

**Explanation**

or

Only II and III follow(option D)

Correct answer is: D

Question No: 28

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Amongst the following figures, find the correct one; if it is known that the total number of dots on opposite faces of the cube shown is always 7

### **Explanation**

In 2<sup>nd</sup> figure, 5 and 2 are adjacent to each other, so its incorrect

In 3<sup>rd</sup> figure, 4 and 3 are adjacent to each other, so it is incorrect

In 4<sup>th</sup> figure, 5 and 2 are adjacent to each other, so its incorrect

So only figure 1 is correct

Correct answer is: A

Question No: 29

---

**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

'A' stands for not greater than

'B' stands for equal to

'C' stands for less than

'D' stands for not less than

'E' stands for not equal to

'F' stands for greater than

Taking the two Premises (2M B N) and (2N A 3K) to be true, which of the given options would also be true (Taking all three numbers to be non-zero)?

2M D 3K

2M B 3K

2M C 3K

2K B 3N

### **Explanation**

A => $\leq$	B => =	C => <
D => $\geq$	E => $\neq$	F => >

2M B N

Since, from the question B stands for equal to

$\Rightarrow 2M = N \Rightarrow 4M = 2N$

2N A 3K

According to the question A stands for not greater than that A implies less than and equal to

$\Rightarrow 2N \leq 3K$

so  $4M = 2N \leq 3K$

Hence, from above two statements

$\Rightarrow 4M \leq 3K$

Option (1)

2M D 3K

According to the question D stands for not less than that D implies greater than and equal to

=>  $2M \geq 3K$  : Not True

Option (2)

2 M B 3 K

from the question B stands for equal to

=>  $2M = 3K$  : Not True

Option (3)

2 M C 3K

from the question C stands for less than

=>  $2M < 3K$  : **True**

Option (4)

2 K B 3 N

from the question B stands for equal to

=>  $2K = 3N$  : Not True

Hence, only option C is true.

Correct answer is: C

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Question No: 30

---

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

From the given blocks when 10 is at the bottom, which number will be at the top ?

8

12

6

4

#### **Explanation**

From the three views of blocks it is clear that when 10 is at the bottom, number 12 will be at the top. As it is clear from figure 1 and figure 3 that number 6 is opposite number 2.

Hence, number 8 will be opposite to number 4. Therefore, number 12 will be opposite to number 10. Hence, option B is the answer.

Correct answer is: B

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Question No: 1

---

**DIRECTIONS for the question:** Read the passage and answer the question based on it.

We are well into the 21<sup>st</sup> century yet half the world's population live in squatter settlements and work in shadow economies, which generate more than one-third of the developing world's GDP. Slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth. Sadly, the poor typically don't have secure title to their lands as there are bureaucratic restrictions on transferring title or there is no clear system for titling. Without legal deeds they live in constant fear of being evicted by landlords or municipal officials. Illiteracy is a major reason poor people often choose not to seek the protection of local courts since in so many countries laws established under colonial rule have never been translated into local languages. When entrepreneurs do set out to legally register business they are discouraged by red tape and costly fees. In Egypt, starting a bakery takes 500 days, compliance with 315 laws and 27 times the monthly minimum wage. The proprietors of such businesses cannot get loans, enforce contracts or expand a personal network of familiar customers and partners. As a result the poor have no choice but to accept insecurity and instability as a way of life.

In India severe restrictions on free transfer of property in most rural areas inhibit investment and encourage urban flight. Planning policies however discourage building homes for these migrants as numerous homes are destroyed if they do not comply with planning rules, essentially forcing people to live in slums and perversely blaming it on population growth. UN Habitat, the UN agency for housing the poor, has implemented

more plans to stabilize the unplanned aspects of urban growth but grandiose plans like UN Schemes and government housing projects simply ignore or worsen the underlying problems. It is when governments grant people legal means to control their assets that they empower them to invest and plan ahead. In Buenos Aires, economists studied the experience of two Argentine communities. One had received legal title to its land in the 1980s and surpassed i.e. other group which had not, in a range of social indicators including quality of house construction and education levels. The Commission on Legal Empowerment of the Poor – a UN affiliated initiative made up of two dozen leaders – is exploring ways to extend enforceable legal rights to impoverished members of society and is seeking to bring about a consensus on incentives for national and local leaders. As the growth of illegal settlements amply demonstrates, the poor are not helpless; all they need is governments to grant them fundamental human rights of freedom and responsibility.

What did the Argentine study indicate?

1. Argentina's economy is booming and the percentage of poor has fallen.
2. When the government gives people the legal means to control their assets they plan for the future.
3. The Government succeeded in widening the gap between the rich and the poor.

Only 1

Both 1 & 2

Only 2

All 1, 2 & 3

**Explanation**

Refer the Lines from 2nd paragraph, '*It is when governments grant people legal means to control their assets that they empower them to invest and plan ahead. In Buenos Aires, economists studied the experience of two Argentine communities. One had received legal title to its land in the 1980s and surpassed i.e. other group which had not, in a range of social indicators including quality of house construction and education levels'*'

It shows that only option 3 fits in the best.

Correct answer is: C

Question No: 2

---

**DIRECTIONS for the question:** Read the passage and answer the question based on it.

We are well into the 21<sup>st</sup> century yet half the world's population live in squatter settlements and work in shadow economies, which generate more than one-third of the developing world's GDP. Slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability

to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth. Sadly, the poor typically don't have secure title to their lands as there are bureaucratic restrictions on transferring title or there is no clear system for titling. Without legal deeds they live in constant fear of being evicted by landlords or municipal officials. Illiteracy is a major reason poor people often choose not to seek the protection of local courts since in so many countries laws established under colonial rule have never been translated into local languages. When entrepreneurs do set out to legally register business they are discouraged by red tape and costly fees. In Egypt, starting a bakery takes 500 days, compliance with 315 laws and 27 times the monthly minimum wage. The proprietors of such businesses cannot get loans, enforce contracts or expand a personal network of familiar customers and partners. As a result the poor have no choice but to accept insecurity and instability as a way of life.

In India severe restrictions on free transfer of property in most rural areas inhibit investment and encourage urban flight. Planning policies however discourage building homes for these migrants as numerous homes are destroyed if they do not comply with planning rules, essentially forcing people to live in slums and perversely blaming it on population growth. UN Habitat, the UN agency for housing the poor, has implemented more plans to stabilize the unplanned aspects of urban growth but grandiose plans like UN Schemes and government housing projects simply ignore or worsen the underlying problems. It is when governments grant people legal means to control their assets that they empower them to invest and plan ahead. In Buenos Aires, economists studied the experience of two Argentine communities. One had received legal title to its land in the 1980s and surpassed i.e. other group which had not, in a range of social indicators including quality of house construction and education levels. The Commission on Legal Empowerment of the Poor – a UN affiliated initiative made up of two dozen leaders – is exploring ideas to extend enforceable legal rights to impoverished members of society and is seeking to bring about a consensus on incentives for national and local leaders. As the growth of illegal settlements amply demonstrates, the poor are not helpless; all they need is governments to grant them fundamental human rights of freedom and responsibility.

According to the author, which of the following factors is responsible for the creation of a slum?

- Migration of landless laborers to cities
- Municipal authorities building low-cost housing for the poor
- Unchecked population growth
- Government failure to secure property rights for citizens

#### **Explanation**

As per lines in the opening part of 1st paragraph, '*slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets*

*innovation, which begets wealth'.*

This clearly indicates that the answer lies in option D

Correct answer is: D

Question No: 3

---

**DIRECTIONS for the question:** A sentence or a part of the sentence is underlined. Four alternatives are given as substitutions for the highlighted part, one of which will improve the sentence. Choose the correct alternative.

We don't know how did the thief made an escape.

- how the thief did make
- how the thief does make
- how the thief made
- how was the thief made

**Explanation** With 'did' we do not use second form of verb.

Also this sentence is in Past tense therefore we shall use second form of verb here while removing 'did' from sentence.

Correct answer is: C

Question No: 4

---

**DIRECTIONS for the question:** Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No Error' the answer is (D). (Ignore errors of punctuation if any.)

- Once an old hermit
- saw a cat
- pounce upon a rat.

No error

**Explanation**

The corrected part should be 'pounced/pouncing on' as the first half of the sentence is in past tense.

Correct answer is: C

Question No: 5

---

**DIRECTIONS for the question:** Read the following sentence and determine whether there is any error in it. The error, if any, will be in one part of the sentence. If the sentence is error-free, then select 'No Error' as your answer.

He play not only

tennis  
but also cricket  
No error

**Explanation**

Plays instead of play as the subject is singular.

Correct answer is: A

Question No: 6

---

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

- A It is hoping that overseas friends will bring in big money and lift the morale of the people.
- B. But a lot needs to be done to kick start industrial revival.
- C People had big hopes from the new government.
- D. So far government has only given an incremental push to existing policies and programmes.
- E Government is to go for big time reforms, which it promised.

- BCDAE
- EADCB
- DABEC
- CDEAB

**Explanation**

C is going to open the sequence as people had many hopes from the government. After this D will come as it shows the contrast. The pronoun ***It*** mentioned in A is for the ***Government(it)*** is to go for big time reforms, mentioned in E, thus EA forms the mandatory pair. B will conclude the sequence. The correct order is CDEAB.

Correct answer is: D

Question No: 7

---

**DIRECTIONS for the question:** A sentence or a part of the sentence is underlined. Four alternatives are given as substitutions for the highlighted part, one of which will improve the sentence. Choose the correct alternative.

Plausible though it sounds, the weakness of the hypothesis is that it does not incorporate all relevant facts.

even though it sounds plausible, the weakness of the hypothesis  
though the hypothesis sounds plausible, its weakness  
though plausible, the hypothesis' weakness  
the weakness of the hypothesis which sounds plausible.

#### Explanation

Only hypothesis is plausible and not the weakness, so **Option B** is correct.  
In A “it” illogically refers to “weakness” instead of “hypothesis”.  
In C and D, “plausible” refers “weakness”.

Correct answer is: B

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Question No: 8

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.

Hopes of a settlement depend on the \_\_\_\_\_ of the discussion.

- findings
- Outcome
- break through
- resolutions

**Explanation** A discussion can lead to an outcome, not a finding. Findings are results of investigations

Correct answer is: B

Question No: 9

---

**DIRECTIONS for the question:** Answer the following question as per the best of your judgment.

The Best Brew Company's coffee crop for 1998-99 totalled 8,079 tonnes, an all time record. The increase over the previous year's production of 5,830 tonnes was 38.58%. The previous highest crop was 6,089 tonnes in 1970-71. The company had fixed a target of 8,000 tonnes to be realized by the year 2000-01, and this was achieved two years ahead of time, thanks to the emphasis laid on the key areas of irrigation, replacement of unproductive coffee bushes, intensive refilling and improved agricultural practices. The company now planned to reach the target of 10,000 tonnes in the year 2001-02.

Which one of the following would contribute most to making the target of 10,000 tonnes in 2001-02 unrealistic?

- The potential of the productivity enhancing measures implemented up to now are exhausted
- The total company land under coffee has remained constant since 1969 when an estate in the Nilgiri Hills was acquired
- The sensitivity of the crop to climatic factors makes predictions about production uncertain
- The target-setting procedures in the company have been proved to be sound by the achievement of the 8,000 tonne target

**Explanation**

Conclusion: High growth rates can be continued.

Assumption: More scope for productivity increase, Scope for increase in acreage.

Option 2 implies that an achievement of 6089 tonnes has to be ruled out.

Option 3 could work in both ways.

Option 4 contradicts the data that target was achieved in time.

Hence Option 1 is the only one making the possibility of achieving the given target of 10,000 tonnes very unrealistic.

Correct answer is: A

Question No: 10

---

**DIRECTIONS for the question:** Choose the option which is most **Similar** in meaning of the underlined word as used in the context of the sentence.

Sedentary : He got a sedentary job in a tax office.

Astute

Desk

Parallel

Liable

**Explanation** Sedentary means tending to spend much time seated

Correct answer is: B

Question No: 11

---

**DIRECTIONS for the question:** Choose the option which is most **Similar** in meaning of the underlined word as used in the context of the sentence.

Barometer: The barometer is falling – it is going to rain.

An instrument that indicates change

Monument

Consume

Endure

**Explanation** Barometer means something which reflects changes in circumstances or opinions

Correct answer is: A

Question No: 12

---

**DIRECTIONS for the question:** Choose the option that is nearly opposite in meaning to the word in capital letters.

VACILLATION

steeliness

intransigence

steadfastness

occupation

**Explanation**

Vacillation means a "State of indecisiveness".

Steeliness - the fact of being strong, hard or sometimes unfriendly

Intransigence- rigidity of any kind or inflexibility .

Steadfastness means unwavering faith, resolution; fixed in a direction .

**Option C is correct**

Correct answer is: C

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Question No: 13

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.

You have played a great role, for \_\_\_\_\_ your help I possibly would have landed myself into a problem.

- without
- despite
- although
- after

**Explanation** The context is of 'landing in trouble' if the person did not help.

Correct answer is: A

Question No: 14

---

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

- P. In most cases, it's impossible for a manufacturer to sustain a technological or functional advantage long enough to make a new product profitable.
- Q. The USP's reached its peak
- R. A slightly-changed-to-be-legal formula might be developed and costed out within hours
- S. The upshot?

- SPQR
- SQPR
- QRSP
- SRPQ

**Explanation**

If we focus on the question in S, then we can get to the answer faster.

Upshot means result.

What kind of result are we looking at?

Can it be about the USP reaching its peak, the formula changing or the profitability issue of P.

Of the three the last is the more favoured.

Hence we get a pair SP.

Q has to come before S because the upshot follows the phenomenon.

Correct answer is: C

Question No: 15

---

**DIRECTION for the question:** Answer the question based on the information given in the passage.

A few of our public institutions foster a culture of transparency and accountability. The Right To Information (RTI) Act was enacted in 2005 to change this tradition of opacity and make governance a transparent process. The Act has been working reasonably well and has become a useful tool for a large cross-section of civil society to examine the working of the government. Since in the process, institutional failures get exposed as well, there is resistance to the RTI culture from various quarters including the government. Many public institutions that come under the ambit of the Act now want its radical edge blunted. Many state information commissions are starved of funds and personnel, which may lead to a collapse of the institution itself. Many pleas to amend the Act must be seen in this context and handled with caution. It is important that we adhere strictly to its (RTI Act) original aims and refrain from accepting or introducing changes in the legislation on the way it is implemented that would dilute its purpose.

Which of the following is **not** in consonance with the contents of the passage?

To give teeth to the RTI legislation, the government must beef up infrastructure at the information commissions

The push to amend the RTI Act came first from the government itself so that frivolous and vexatious applications could be discarded and disclosures of the file notings exempted

The functioning of judiciary is being asked to be exempted from the scope of the Act to safeguard its independence and misuse of the highly confidential and sensitive nature of the information

The focus must be to restrict the scope of the RTI Act rather than to create a climate of information

**Explanation**

There is resistance to the RTI culture from various quarters including the government.

Hence options C and D are in consonance with the text. .

**Option B** is stated nowhere in the passage.

Correct answer is: B

Question No: 16

---

**DIRECTIONS for the question:** Select the best option which completes the sentence (s) in the most meaningful manner

Female sparrows and immatures are -----, while the typical adult male sparrow is ----- by its markings: a visible black bib, a gray cap, and white lines trailing down from the mouth.

somewhat nondescript....easily recognized

difficult to spot....better camouflaged

considered to be endangered..characterized

reluctant to leave the nest....emboldened

**Explanation**

Option 1. The markings described in the sentence — black bib, gray cap, and white lines trailing down from the mouth — would make a bird distinctive and readily identifiable. The word *while* means contrasting ideas exist between what precedes it and what follows it.

Correct answer is: A

Question No: 17

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.

Kanak is endowed \_\_\_\_\_ many great qualities.

by

of

with

in

**Explanation** ‘Endow with’ is the correct phrase meaning to have a particular quality or characteristic

Correct answer is: C

Question No: 18

---

**DIRECTIONS for the question:** Choose the pair of words which best expresses the relationship similar to that expressed in the capitalized pair.

ANGER : RAGE

Speed : Distance

Air : Fan

Sound : Music

Drizzle : Downpour

**Explanation**

The pair is based on varying degree relationship. So, **option D** is correct.

Correct answer is: D

Question No: 19

---

**DIRECTIONS for the question:** Read the passage and answer the question based on it.

We are well into the 21<sup>st</sup> century yet half the world's population live in squatter settlements and work in shadow economies, which generate more than one-third of the developing world's GDP. Slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth. Sadly, the poor typically don't have secure title to their lands as there are bureaucratic restrictions on transferring title or there is no clear system for titling. Without legal deeds they live in constant fear of being evicted by landlords or municipal officials. Illiteracy is a major reason poor people often choose not to seek the protection of local courts since in so many countries laws established under colonial rule have never been translated into local languages. When entrepreneurs do set out to legally register business they are discouraged by red tape and costly fees. In Egypt, starting a bakery takes 500 days, compliance with 315 laws and 27 times the monthly minimum wage. The proprietors of such businesses cannot get loans, enforce contracts or expand a personal network of familiar customers and partners. As a result the poor have no choice but to accept insecurity and instability as a way of life.

In India severe restrictions on free transfer of property in most rural areas inhibit investment and encourage urban flight. Planning policies however discourage building homes for these migrants as numerous homes are destroyed if they do not comply with planning rules, essentially forcing people to live in slums and perversely blaming it on population growth. UN Habitat, the UN agency for housing the poor, has implemented more plans to stabilize the unplanned aspects of urban growth but grandiose plans like UN Schemes and government housing projects simply ignore or worsen the underlying problems. It is when governments grant people legal means to control their assets that they empower them to invest and plan ahead. In Buenos Aires, economists studied the experience of two Argentine communities. One had received legal title to its land in the 1980s and surpassed i.e. other group which had not, in a range of social indicators including quality of house construction and education levels. The Commission on Legal Empowerment of the Poor – a UN affiliated initiative made up of two dozen leaders – is exploring ideas to extend enforceable legal rights to impoverished members of society and is seeking to bring about a consensus on incentives for national and local leaders. As the growth of illegal settlements amply demonstrates, the poor are not helpless; all they need is governments to grant them fundamental human rights of freedom and responsibility.

Which of the following is TRUE in the context of the passage?

Additional UN projects will exacerbate the plight of slum – dwellers

Although the government allocates land for them, the poor choose not to invest in building houses

With the spread of slums populations are drifting back to rural areas

In order to accumulate profit slum – dwellers avoid legally registering their business

**Explanation**

1st Para, which highlights the 'plight of the poor that they do not want to invest in building houses because they fear eviction by the authorities'. Other options are either factually wrong or not at all mentioned.

Correct answer is: B

Question No: 20

---

**DIRECTIONS for the question:** Choose the option which is most **Similar** in meaning of the underlined word as used in the context of the sentence.

Restrictive: Teenagers are always eager to escape from restrictive home environment.

- Serving to restrict
- Devour
- Horizontal
- Damage

**Explanation** Restrictive means imposing restrictions on someone's activities or freedom.

Correct answer is: A

Question No: 21

---

**DIRECTIONS for the question:** Read the passage and answer the question based on it.

We are well into the 21<sup>st</sup> century yet half the world's population live in squatter settlements and work in shadow economies, which generate more than one-third of the developing world's GDP. Slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth. Sadly, the poor typically don't have secure title to their lands as there are bureaucratic restrictions on transferring title or there is no clear system for titling. Without legal deeds they live in constant fear of being evicted by landlords or municipal officials. Illiteracy is a major reason poor people often choose not to seek the protection of local courts since in so many countries laws established under colonial rule have never been translated into local languages. When entrepreneurs do set out to legally register business they are discouraged by red tape and costly fees. In Egypt, starting a bakery takes 500 days, compliance with 315 laws and 27 times the monthly minimum wage. The proprietors of such businesses cannot get loans, enforce contracts or expand a personal network of familiar customers and partners. As a result the poor have no choice but to accept insecurity and instability as a way of life.

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What benefit does the author see in providing land ownership rights to the poor?

- Steady increase in GDP
- Gaining independence from colonial rulers
- Municipal services afforded to the poor will improve
- None of these

**Explanation**

Land ownership rights to the poor will empower them to invest and plan for the future. Refer the lines from the 1st paragraph, '*When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth'*, which means **increase in GDP as all will contribute to growth of the GDP**.

Correct answer is: A

Question No: 22

---

**DIRECTIONS for the question:** Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No Error' the answer is (D). (Ignore errors of punctuation if any.)

- The families  
are living in Gulmohar Park  
for the last two decades  
No error

**Explanation**

The correct tense should be present perfect continuous as time- period of the event is given to us. The corrected part should be 'have been living in Gulmohar Park'.

Correct answer is: B

Question No: 23

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**DIRECTIONS for the question:** Each sentence below has one or two blanks, each blank indicating that something has been omitted. Choose the word or set of words for each blank that best fits the meaning of the sentence as a whole.

The distinction between past, present, and future is only \_\_\_\_\_ however,  
\_\_\_\_\_ (Albert Einstein 1879-1955)

- man-made.....artificial
- false.....continuous
- illusion.....persistent
- continuous.....discreet

**Explanation**

The keyword here is however, so the two words here have to be a contrast. Also distinction can only be imaginary or an illusion. So, option 3 illusion and persistent fits in appropriately.

Correct answer is: C

Question No: 24

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**DIRECTIONS for the question:** A sentence or a part of the sentence is underlined. Four alternatives are given as substitutions for the highlighted part, one of which will improve the sentence. Choose the correct alternative.

The man who has committed such a serious crime must get the mostly severe punishment.

- be getting the mostly severely
- get the most severe
- have got the most severely
- have been getting the severe most

**Explanation** 'Mostly' is an adverb. also we need the Superlative form of 'Severe' which will be 'Most Severe'.

Correct answer is: B

Question No: 25

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**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

- P : any fragrance  
Q : and more penetrating  
R : I have never come across  
S : that is no more beautiful

R, P, S, Q

Q, P, S, R

S, R, P, Q

Q, S, P, R

**Explanation**

The order of the sentences will be RPSQ.

Correct answer is: A

Question No: 26

---

**DIRECTIONS for the question:** Choose the option which is most **Similar** in meaning of the underlined word as used in the context of the sentence.

Indoctrinate: The Monks indoctrinate their disciples.

Irascibility

Instruct

Designation

Constrain

**Explanation** Indoctrinate means teach or instruct (someone).

Correct answer is: B

Question No: 27

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**DIRECTIONS for the question:** Select the best option which completes the sentence (s) in the most meaningful manner

The painting is now \_\_\_\_\_ & hung on walls of designer drawing rooms & is \_\_\_\_\_ a collector's item.

framed, considered

painted, assumed

nailed, regarded

pasted, being

**Explanation**

Before we hang a painting it is framed. The word 'considered' fits in 2nd blank.

Correct answer is: A

Question No: 28

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**DIRECTIONS for the question:** Fill in the blank in the following sentence by using the most appropriate word from the options given below the sentence. Although more than one option may be correct, only one amongst them is the most effective

It was in \_\_\_\_\_ but she took it seriously

Jest

Fun

Passing

Eristic

**Explanation**

jest – an utterance intended to be taken as humor.

Correct answer is: A

Question No: 29

---

**DIRECTIONS for the question:** Choose the pair of words which best expresses the relationship similar to that expressed in the capitalized pair.

SIN : CRIME :: ?

MAN : ANIMAL

HOME : COURT

MORALITY : LEGALITY

JURY : PRIEST

**Explanation**

'Sin' is a wrongdoing within the framework of morality whereas 'crime' is a wrongdoing in the system of legality. Hence, this is an example of 'vertical analogy'.

Correct answer is: C

Question No: 30

---

**DIRECTIONS for the question:** Read the passage and answer the question based on it.

We are well into the 21<sup>st</sup> century yet half the world's population live in squatter settlements and work in shadow economies, which generate more than one-third of the developing world's GDP. Slums are not caused by the poor but by governments denying people the right to own and exchange property. When people own their own property they have incentives to invest time, money and energy to improve it because they know that they will be able to benefit from any such improvements, i.e. the ability to obtain mortgages etc. In short, property rights beget capital, which begets innovation, which begets wealth. Sadly, the poor typically don't have secure title to their lands as there are bureaucratic restrictions on transferring title or there is no clear system for titling. Without legal deeds they live in constant fear of being evicted by landlords or municipal officials. Illiteracy is a major reason poor people often choose not to seek the protection of local courts since in so many countries laws established under colonial rule have never been translated into local languages. When entrepreneurs do set out to legally register business they are discouraged by red tape and costly fees. In Egypt, starting a bakery takes 500 days, compliance with 315 laws and 27 times the monthly minimum wage. The proprietors of such businesses cannot get loans, enforce contracts or expand a personal network of familiar customers and partners. As a result the poor have no choice but to accept insecurity and instability as a way of life.

In India severe restrictions on free transfer of property in most rural areas inhibit investment and encourage urban flight. Planning policies however discourage building homes for these migrants as numerous homes are destroyed if they do not comply with planning rules, essentially forcing people to live in slums and perversely blaming it on population growth. UN Habitat, the UN agency for housing the poor, has implemented more plans to stabilize the unplanned aspects of urban growth but grandiose plans like UN Schemes and government housing projects simply ignore or worsen the underlying problems. It is when governments grant people legal means to control their assets that they empower them to invest and plan ahead. In Buenos Aires, economists studied the experience of two Argentine communities. One had received legal title to its land in the 1980s and surpassed i.e. other group which had not, in a range of social indicators including quality of house construction and education levels. The Commission on Legal Empowerment of the Poor – a UN affiliated initiative made up of two dozen leaders – is exploring ideas to extend enforceable legal rights to impoverished members of society and is seeking to bring about a consensus on incentives for national and local leaders. As the growth of illegal settlements amply demonstrates, the poor are not helpless; all they need is governments to grant them fundamental human rights of freedom and responsibility.

- The author's main objective in writing the passage is to
- exhort the UN to play a greater role in rehabilitating slum-dwellers
  - Praise government initiatives for migrant slum-dwellers
  - convince governments to empower the poor
  - enlist the aid of developed countries to tackle the issue of slums

### **Explanation**

The entire passage talks about **need to empower the poor** and it is further supported by the lines 'as the growth of illegal settlements amply demonstrates, the poor are not helpless; all they need is governments to grant them fundamental human rights of freedom and responsibility'.

Correct answer is: C

Question No: 31

---

**DIRECTIONS for the question:** Choose the option which is grammatically correct and expresses the meaning of sentence correctly.

On the whole food front one may say that we can enjoy festivals in the consciousness that though some things are dear, the basic foods are better in quality and still low in price.

We can enjoy festivals knowing that though some things are dear, the basic foods are of better quality and still low in price.

Although we know that some things are dear, we can still enjoy festivals because the basic foods are better in quality and low in price.

On the whole food front, although some things are dear, we can still enjoy festivals as the basic foods are of better quality and quite cheap.

#### **Explanation**

By including the phrase on the food front, options A and D become too wordy to be right. Option C brings out the contrast by starting the statement with the conjunction although, that's why it is better than option B.

Correct answer is: C

Question No: 32

---

**DIRECTIONS for the question:** Choose the word from the options which is **Opposite** in meaning to the given word.

SUB ROSA

Fresh

Intoxicating

Open

Repulsive

**Explanation** The meaning of the word - SUB ROSA is happening or done in secret, hence the opposite is option C

Correct answer is: C

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Question No: 33

**DIRECTIONS for the question:** Choose the trio of words which best expresses the relationship similar to that expressed in the capitalized pair.

Select the group of words that has same relation as in the given group:

STUDIO : MUMBAI: STARS

Ship : Madras : Harbour

Oranges : Nagpur : Juice

Parliament : Delhi : Ministers

Sunrise : Darjeeling : Sherpas

**Explanation** The relationship of Studio : Mumbai : Stars is same as that of Parliament : Delhi : Ministers.

1st is the working place of 3rd and 2nd is the name of the city where 1st is located.

Correct answer is: C

Question No: 34

**DIRECTION for the question:** The question is based on a passage or a set of conditions. Select the **best** answer from the answer choices given which are numbered (A), (B), (C) and (D).

Biometric access-control systems-those using finger-prints, voice-prints, and so forth, to regulate admittance to restricted areas-work by degrees of similarity, not by identity. After all, even the same finger will rarely leave exactly identical prints. Such systems can be adjusted to minimize refusals of access to legitimate access-seekers. Such adjustments, however, increase the likelihood of admitting imposters.

Which of the following conclusions is most strongly supported by the information above?

No biometric access-control systems-based, for example, on numerical codes – are less likely than biometric ones to admit imposters

Biometric access-control systems are appropriate only in situations in which admittance of imposters is less a problem than a mistaken refusal of access

Anyone choosing an access-control system should base the choice solely on the ratio of false refusals to false admittance

If a biometric access-control system reliably prevents imposters from being admitted, it will sometimes turn away legitimate access-seekers

**Explanation**

**Option D is correct.**

The two strong options here are B and D.

The difference is the choice of words to indicate probability

B says "only" while D says "sometimes".

Since the argument discusses only one situation, where it is moderate in its language, D is the better answer.

Correct answer is: D

Question No: 35

---

**DIRECTIONS for the question:** In the following question choose the alternative which is opposite in meaning to the given word

**OPAQUE**

transparent

covered

clear

misty

**Explanation**

Opaque means 'Not clear enough to see through' so opposite will be 'transparent'

Correct answer is: A

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