

Directions of Test

Test Name	Bull Placement Deloitte 03	Total Questions	75	Total Time	95 Mins
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Section Name	No. of Questions	Time limit	Marks per Question	Negative Marking
Quantitative Ability	25	0:35(h:m)	1	0
Analytical & Logical Reasoning	25	0:35(h:m)	1	0
Verbal Ability	25	0:25(h:m)	1	0

Section : Quantitative Ability

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

Question No. : 1

In the first 15 overs of a cricket game, the run rate was only 4.8. What should be the run rate in the remaining 35 overs to reach the target of 296 runs?

- ✓A) 6.4 B) 6.8 C) 6.75 D) None of these

Explanation:-

Runs scored in first 15 overs = $15 \times 4.8 = 72$. Runs to be scored in remaining 35 overs =
 $296 - 72 = 224$. So reqd. run rate = $\frac{224}{35} = 6.4$.

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

Question No. : 2

If $x = 3 + 2\sqrt{2}$, then the value of $\sqrt{x} + \frac{1}{\sqrt{x}}$ is –

- A) 2 B) $\sqrt{2}$ C) $\sqrt{2} - 1$ ✓D) 2.8

Explanation:-

Approx. $x = 3 + 2(1.4) = 5.8$. Now, $\sqrt{5.8} \approx 2.4$. So, $2.4 + (1/2.4) = 2.4 + 0.4 = 2.8$.
The best answer is option 4.

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

Question No. : 3

Marx, Max, Meryll and Minerva won a certain number of points in a shooting competition. Minerva secured half the number of points won by other three. Meryll won one-third the numbers of points accumulated by the other three, while Marx got two-fifth the number of points won by the other three. If each of them won a distinct number of points, find the ratio of the number of points secured by Max to the total number of points won by all four.

- ✓A) 11 : 84 B) 17 : 42 C) 1 : 12 D) Cannot be determined uniquely

Explanation:-

Let the points scored by Marx, Max, Meryll and Minerva be a, b, c and d and let the total points be T .
From the given information,

$$d = \frac{a+b+c}{2}. \text{ So, } T = 2d + d = 3d \text{ i.e. } d = \frac{T}{3}.$$

$$c = \frac{a+b+d}{3}. \text{ So, } T = 3c + c = 4c \text{ i.e. } c = \frac{T}{4}$$

$$a = \frac{2(b+c+d)}{5}. \text{ So, } T = 3.5a \text{ i.e. } a = \frac{T}{3.5}$$

$$\text{So, } \frac{T}{3.5} + b + \frac{T}{4} + \frac{T}{3} = T \text{ and so, } b = \frac{84T - 73T}{84} = \frac{11T}{84}.$$

so required ratio is 11 : 84



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

Question No. : 4

$ab3$ is completely divisible by 7, where a represents a digit from 1 to 9 and b represents a digit from 0 to 9. How many such numbers exist?

- ✓A) 13 B) 19 C) 14 D) 12

Explanation:-

Given that $ab3$ is divisible by 7. So the number should be such that if ab is divided by 7 remainder should be 6 so that $ab3$ is divisible by 7.

Numbers could be 133 or 203 or 273.....973. Hence $10a + b$ can take values 13, 20, ..., 97. Thus, there are 13 values possible.

DIRECTIONS for the question: In the following questions, select a suitable replacement for the word in bold/underlined.

Question No. : 5

The fee (per head) charged by a computer teacher is Rs. 40 per head if there are 600 students. But for every increase of Re. 1 in the fee, he loses 5 members. What is the maximum amount that he can earn?

- A) Rs. 28000 B) Rs. 30000 ✓C) Rs. 32000 D) Rs. 36000

Explanation:-

Let the increase in computer fee be Rs. x , then according to the question,

computer teacher earns the amount = $(40 + x)(600 - 5x) = 24000 + 400x - 5x^2 = 5[6400 - (x - 40)^2]$.

This expression would have maximum value when $x - 40 = 0$ or $x = 40$

and the maximum amount that he can earn is

$(40 + 40)(600 - 5 \times 40) = \text{Rs. } 32000$.

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

Question No. : 6

A man and a woman 81 miles apart from each other, start travelling towards each other at the same time. If the man covers 5 miles per hour to the woman's 4 miles per hour, how far will the woman have travelled when they meet (in miles)?

- A) 27 ✓B) 36 C) 45 D) None of these

Explanation:-

Total distance travelled by both in 1 hr is 9 miles. So the total time to cover 81 miles will be $81/9 = 9\text{hr}$. Speed of woman is 4 miles/hr. So the distance covered by woman will be $4 \times 9 = 36\text{miles}$.

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

Question No. : 7

Two trains T_1 and T_2 are entering on either sides of platform P from opposite ends. Trains T_1 and T_2 take 20 seconds each to cross the platform and 10 seconds to cross each other. Which of the following could represent the lengths of T_1 , T_2 and P respectively?

- A) 250, 300, 350 B) 300, 350, 400 ✓C) 225, 375, 300 D) 275, 350, 625

Explanation:-

Suppose the speeds of T_1 and T_2 are S_1 and S_2 respectively. Then, $\frac{T_1 + P}{S_1} = 20$, $\frac{T_2 + P}{S_2} = 20$

and $\frac{T_1 + T_2}{S_1 + S_2} = 10$. So, $T_1 + P = 20S_1$, $T_2 + P = 20S_2$ and $T_1 + T_2 = 10(S_1 + S_2)$. Adding the

first two equations gives $T_1 + T_2 + 2P = 20(S_1 + S_2)$. The third equation states that $2(T_1 + T_2) = 20(S_1 + S_2)$. Combining these equations, we get $20(S_1 + S_2) = T_1 + T_2 + 2P = 2(T_1 + T_2)$. From this, we get $T_1 + T_2 = 2P$. Checking the answer choices, we get $T_1 = 225$, $T_2 = 375$ and $P = 300$.

Hence the answer is option C



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

Question No. : 8

Atul travelled to his office at 25 kmph and reached 20 minutes late. When he travelled at 40 kmph, he reached 20 minutes early. Find the approx. speed (in kmph) at which he travelled if he reached his office 10 minutes early?

- A) 30 B) 32 ☒ C) 35 D) None of these

Explanation:-

Let the distance between Atul's office and his home be d km.

$$d = 25(t + 1/3) \dots (1)$$

$$d = 40(t - 1/3) \dots (2)$$

on solving we get $t = 13/9$ hours and $d = 400/9$ km

$$\text{so } d = s(t - 1/6)$$

$$400/9 = s(13/9 - 1/6)$$

$$s = 35 \text{ (approx)}$$

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

Question No. : 9

Ashok scored 80 runs of the team's total of 320 runs. If the openers scored another 112 runs between them, then find what percentage of runs did the remaining team score. (assume no extras)

- A) 50% B) 45% C) 60% ☒ D) 40%

Explanation:-

Total runs that the remaining team scored = $320 - 80 - 112 = 128$ i.e. $128/320 \times 100 = 40\%$.

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

Question No. : 10

A car consumes 40% percent more fuel when travelling at 120 km/hr than when travelling at 80 km/hr. If the car can travel 56 km in 4 liters' at 80 km/hr then how much will it travel in the same fuel at 120 km/hr?

- A) 22.4 km ☒ B) 40 km C) 33.6 km D) None of these

Explanation:-

When car travels at 120km/hr, the distance travelled will be $1/1.4$ times of the distance covered at 80km/hr in same fuel

So distance travelled = $56/1.4 = 40$ km

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

Question No. : 11

A dealer offers a cash discount of 20% and still makes a profit of 20%, when he further allows 16 articles to a dozen to a particularly sticky bargainer. How much percent above the cost price were his wares listed?

- ☒ A) 100% B) 80% C) 75% D) $66 \frac{2}{3}\%$

Explanation:-

We know that Profit percentage = 20%. So $SP = 1.2CP$.

This profit is made after the loss that he has incurred by selling 16 articles at the price of 12.

This loss would be $(16 - 12)/16 = 25\%$.

So his actual $SP \times 0.75 = 1.2CP$. So his actual $SP = 1.6CP$.

Also his actual $SP = 0.8MP$.

Therefore $0.8MP = 1.6CP$ or $MP = 2CP$.

This means that he had marked his goods 100% above his CP.



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

Question No. : 12

A sells a bicycle to B at a profit of 20%. B sells it to C at a profit of 25%. If C pays Rs. 225 for it, the cost price of the bicycle for A is?

- A) Rs. 110 B) Rs. 120 C) Rs. 125 ☒ D) Rs. 150

Explanation:- Let the cost price of A is Rs x.

We have $x \times 1.2 \times 1.25 = 225$

$\Rightarrow x = \text{Rs } 150$

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

Question No. : 13

Two casks of 48 and 42 litres are filled with mixtures of wine and water, the proportions in the two casks being respectively 13 : 7 and 18 : 17. If the contents of the two casks be mixed and 20 litres of water is added to the whole, what will be the proportion of wine to water in the resultant solution?

- A) 21 : 31 ☒ B) 12 : 13 C) 13 : 12 D) None of these

Explanation:-

Cask A

Wine = $(13 \times 48) / 20 = 31.2$ and water = $(7 \times 48) / 20 = 16.8$

Cask B

Wine = $(18 \times 42) / 35 = 21.6$ and water = $(17 \times 42) / 35 = 20.4$

Required ratio = $(31.2 + 21.6) : (16.8 + 20.4 + 20) = 52.8 : 57.2 = 12 : 13$

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

Question No. : 14

The number of balls in three baskets are in the ratio of 3 : 4 : 5. In which ratio the number of balls in first two baskets must be increased so that the new ratio becomes 5 : 4 : 3?

- A) 1 : 3 ☒ B) 2 : 1 C) 3 : 4 D) 2 : 3

Explanation:-

The number of balls in the third basket remain the same, so take the number to be a multiple of 3 and 5 i.e. 15.

So before increase the number of balls as per the given ratio would be = 9, 12, 15.

After increase the balls per the given ratio become = 25, 20, 15.

So balls increase in 1st basket = 16 and in 2nd = 8. Required ratio = 16 : 8 i.e. 2 : 1.

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

Question No. : 15

Sixteen men can complete a work in twelve days. Twenty-four children can complete the same work in eighteen days. Twelve men and eight children started working and after eight days three more children joined them. How many days will they now take to complete the remaining work?

- A) 6 ☒ B) 4 C) 2 D) None of these

Explanation:-

Let the total work = 36 units

A man does $36 / (12 \times 16) = 3/16$ work per day.

A child does $36 / (18 \times 24) = 1/12$ work per day.

12 men & 8 children do $12(3/16) + 8(1/12) = 9/4 + 2/3$ of work.

Now for 8 days, they will do $8(9/4 + 2/3) = 70/3$ of work.

The remaining work = $36 - (70/3) = 38/3$

let 12 men and 11 children will complete the remaining work in x days.

So $x[(9/4) + (11 \times 1/12)] = 38/3 \Rightarrow x = 4$.



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

Question No. : 16

Two men undertake to do a piece of work for Rs. 600. One alone could do it in 6 days and the other in 8 days. With the assistance of a boy they finished it in 3 days. Boy's share should be

- ✓ A) Rs. 75 B) Rs. 225 C) Rs. 300 D) Rs. 100

Explanation:-

1st man 'A' can do in 6 days

2nd man 'B' can do in 8 days

A, B & Boy can do it in 3 days

Let there be 24 units of work (LCM of 6, 8 and 3)

? A does 4 units/day

B does 3 units/day

Boy does 1 units/day

Money is divided in the ratio of 4 : 3 : 1 That implies Boy gets Rs. 75/-

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

Question No. : 17

A pump can be operated both for filling a tank and for emptying it. The capacity of tank is 2400 m^3 . The emptying capacity of the pump is 10 m^3 per minute higher than its filling capacity. Consequently, the pump needs 8 minutes less to empty the tank than to fill it. Find the filling capacity of the pump.

- A) $45 \text{ m}^3/\text{min}$ B) $30 \text{ m}^3/\text{min}$ ✓ C) $50 \text{ m}^3/\text{min}$ D) $55 \text{ m}^3/\text{min}$

Explanation:-

Capacity of tank = 2400

Let the filling capacity of pump = $X \text{ m}^3 / \text{min}$

hence the Emptying capacity of pump = $X+10 \text{ m}^3 / \text{min}$

$$\text{So } (2400 / X) - (2400 / (X+10)) = 8 \text{ min}$$

hence $X = 50$.

Alternatively,

Going by the options, option (3) match

@ $50 \text{ m}^3/\text{min}$ tank gets filled in $\frac{2400}{50} = 48 \text{ min}$

@ $50 + 10 = 60 \text{ m}^3/\text{min}$ tank gets emptied in $\frac{2400}{60} = 40 \text{ min}$

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

Question No. : 18

The simple interest on certain sum at 5% p.a for 8 months is Rs. 10 greater than the simple interest on the same sum @ 4% p.a for 6 months. What is the total sum of interest?

- ✓ A) Rs. 40 B) Rs. 90 C) Rs. 46 D) Rs. 10

Explanation:-

let principal = P

ATQ

$$(P \times 5 \times 8) / (12 \times 100) - (P \times 4 \times 6) / (12 \times 100) = 10$$

on solving $P = 750$

$$\text{so SI} = (750 \times 5 \times 8) / (1200) + (750 \times 4 \times 6) / (1200) = 40$$



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

Question No. : 19

The simple interest on a sum of money is $\frac{1}{4}$ th of the principal and the number of years is equal to the rate % p.a. Then the rate % p.a. is

- A) 7.5 B) 6 ☒ C) 5 D) None of these

Explanation:-

$$\frac{P}{4} = \frac{P \times R \times R}{100} \Rightarrow R^2 = \frac{100}{4} = 25 \Rightarrow R = 5$$

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

Question No. : 20

A circle is inscribed in a given square and another circle is circumscribed about the square. What is the ratio of the area of the inscribed circle to that of the circumscribed circle?

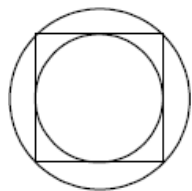
- A) 2 : 3 B) 3 : 4 C) 1 : 4 ☒ D) 1 : 2

Explanation:-

As it is apparent from the following diagram, the diameter of the inscribed circle is equal to the side of the square, while the diameter of the circumscribed square is equal to the diagonal of the square.

Since the ratio of any two circles is equal to the ratio of the squares of their diameters, in our case the required ratio is equal to $(\text{side})^2 : (\text{diagonal})^2$.

Now, the ratio of the side to the diagonal of a square = $1 : \sqrt{2}$, the ratio of their squares will be $1 : 2$.



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

Question No. : 21

AB is a chord of the circle with centre O such that the length of the minor arc AB is 2π metres. If $\angle AOB = 90^\circ$, what is the area of the minor sector AOB?

- A) $24\pi \text{ m}^2$ ☒ B) $4\pi \text{ m}^2$ C) $16\pi \text{ m}^2$ D) $6\pi \text{ m}^2$

Explanation:-

Since the central angle is 90° and the length of the corresponding arc is 2π , the circumference of the circle is 8π .

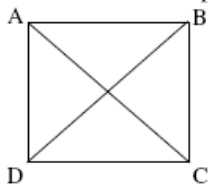
So the radius of the circle is 4 m. The area of the sector is therefore $\frac{1}{4} \times \pi \times 4^2 = 4\pi \text{ m}^2$.



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

Question No. : 22

ABCD is a square of area 4, which is divided into four non-overlapping triangles as shown in figure. Then the sum of the perimeters of the triangles is



- A) $8(2 + \sqrt{2})$ ☒ B) $8(1 + \sqrt{2})$ C) $4(1 + \sqrt{2})$ D) $4(2 + \sqrt{2})$

Explanation:-

The sum of the perimeters of the triangles = (Perimeter of the square) + $2 \times$ (Sum of its diagonals).

This is so because the bases of each triangle will be counted once.

But since each of the other two sides of the triangles is common to two triangles, it will be counted twice.

Since area of the square = 4, its side = 2 and perimeter = 8.

Also its diagonal = $2\sqrt{2}$. So the required perimeter = $(8 + 2 \times 4\sqrt{2}) = 8(1 + \sqrt{2})$.

Option B

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

Question No. : 23

A boy is asked to take a 2-digit number; multiply its digits and keep repeating the process until he gets a single digit number. What is the probability that this single digit is zero?

- A) $\frac{1}{6}$ B) $\frac{8}{45}$ ☒ C) $\frac{4}{15}$ D) $\frac{11}{45}$

Explanation:-

In this case numbers will be those

1) in which one 5 is there and other number is even

2) in which 0 will appear

3) in which product of numbers reduced to single digit gives us 0

So numbers will be 10, 20, 30, 40, 50, 60, 70, 80, 90, 25, 45, 52, 54, 55, 56, 58, 59, 65, 69, 78, 85, 87, 95, and 96

so there are 24 numbers which satisfy the given condition and the total number of 2 digit integers are 90

so probability = $24/90 = 4/15$

DIRECTIONS for the question: Mark the best option

Question No. : 24

How many words can be made using all the letters of the word "UNADULTERATED", if the words neither begin with U nor end with D?

- A) $10! \times 77$ B) $96 \times \frac{12}{23!}$ ☒ C) $7 \times \frac{11!}{2}$ D) $38 \times \frac{11!}{21}$

Explanation:-

The total number of words is $\frac{13!}{2!2!2!2!2!}$.

Words starting with U = $\frac{12!}{2!2!2!2!2!}$.

Words ending with D = $\frac{12!}{2!2!2!2!2!}$.

Words starting with U and ending with

D = $\frac{11!}{2!2!2!2!2!}$. Total = $\frac{13!}{2!2!2!2!2!} - \frac{12!}{2!2!2!2!2!} -$

$\frac{12!}{2!2!2!2!2!} + \frac{11!}{2!2!2!2!2!} = \frac{11!}{2!2!2!2!2!} \left[\frac{13 \times 12}{4} - \frac{12}{2} - \frac{12}{2} + \right.$

$\left. 1 \right] = \frac{11!}{2!2!2!2!2!} [39 + 1 - 6 - 6] = \frac{11!}{2!2!2!2!2!} \times 28 =$

$7 \times \frac{11!}{2!}$. Option 3.

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

Question No. : 25

What is the number of ways in which 5 identical balls can be distributed among 10 identical boxes, if not more than one ball can go into a box?

- A) 230 B) 204 C) 250 ☒ D) None of these

Explanation:-

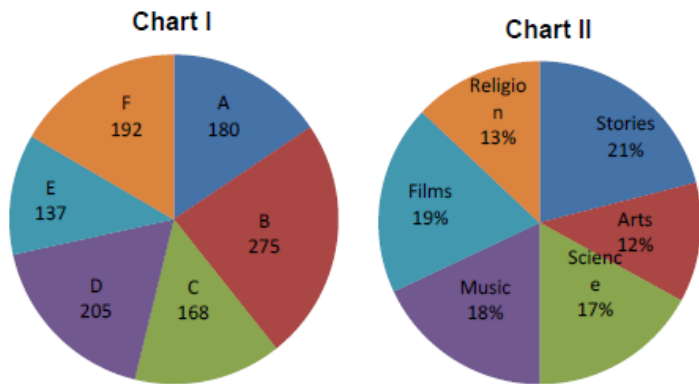
The number of ways in which 5 identical balls can be distributed among 10 identical boxes, if not more than one ball can go into a box,
 $= {}^{10}C_5 = 252$.
So answer is option D.

Section : Analytical & Logical Reasoning

DIRECTIONS for the question: Go through the pie chart/s given below and answer the question that follows.

Question No. : 26

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. The total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II.



How many pages more/less are occupied by Stories in 'A' than in 'D'?

- ☒ A) 5.25 less B) 5.25 more C) 37.8 less D) 43.05 more

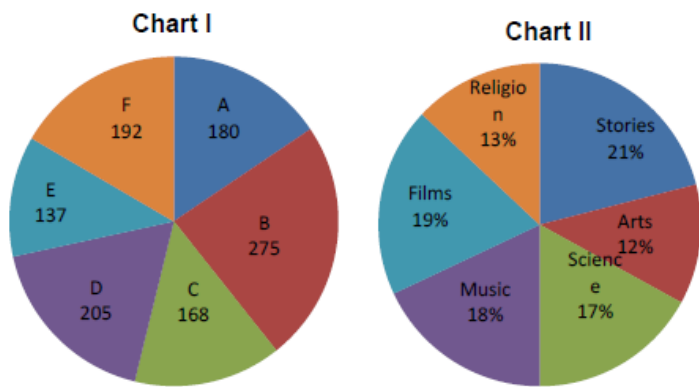
Explanation:-

Simply find 21% of $(205 - 180) = 21\% \text{ of } 25 = 5.25 \text{ less}$.

DIRECTIONS for the question: Go through the pie chart/s given below and answer the question that follows.

Question No. : 27

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. The total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II.



If in magazine F, six articles are published in Science, then approximately how many articles are published on Religion?

- A) 7 ☒ B) 5 C) 3 D) 6

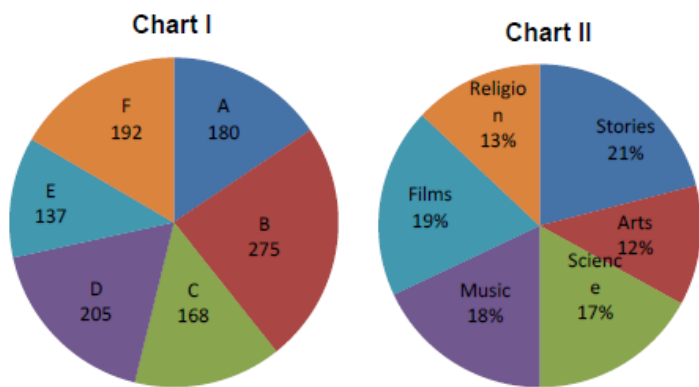
Explanation:-

17% is given to be 6, we have to find the value of 13% = $\frac{6}{17} \times 13 = 4.58$

DIRECTIONS for the question: Go through the pie chart/s given below and answer the question that follows.

Question No. : 28

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. The total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II.



The number of articles on Arts in C is six. The number of articles on Arts in C and B are in the same proportion as the total number of their pages. The number of articles on Arts in B is about

- A) 4 B) 6 ☒ C) 10 D) 15

Explanation:- Since the proportion of articles on arts is given to be same as the total number of pages so this means:

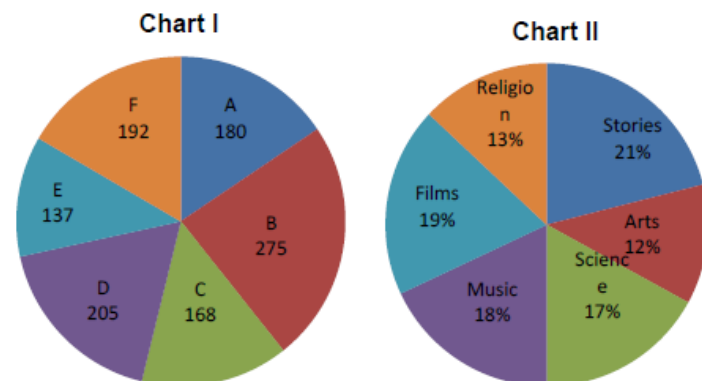
$$\frac{6}{x} = \frac{168}{275}$$
$$\text{i.e. } x = \frac{6 \times 275}{168} = 9.82$$



DIRECTIONS for the question: Go through the pie chart/s given below and answer the question that follows.

Question No. : 29

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. The total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II.



In a certain issue of E, eight stories were published and the ratio of total number of articles submitted in E and C is 19 : 20. How many articles were submitted in C?

- A) 35 B) 38 C) 54 ☒ D) 40

Explanation:-

For a certain issue it is given that 21 % of total articles = 8, so total articles = $8/21 \times 100$.

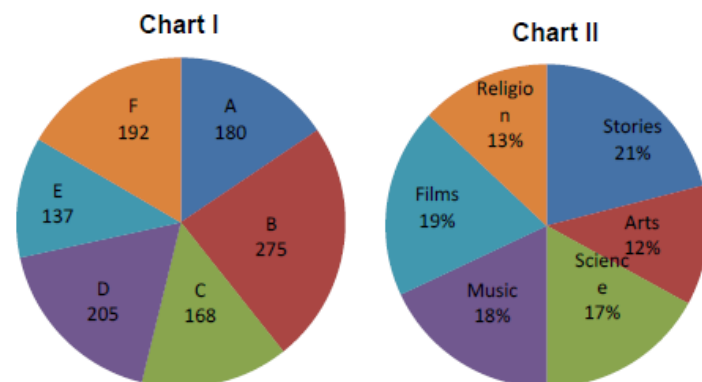
Now this number has a ratio of 19 : 20 with total number articles of C, so number of articles of C

$$= \frac{8 \times 100 \times 20}{21 \times 19} = 40.1.$$

DIRECTIONS for the question: Go through the pie chart/s given below and answer the question that follows.

Question No. : 30

The distribution of total number of pages for different magazines which are in circulation is given in Chart I. The total number of pages is 1157. The percentage distribution of articles on different topics submitted in any of these magazines is given in Chart II.



By approximately what percent of number of pages devoted for Arts is more in B than in A? The percentages given in Chart II may be taken as percentages of the pages occupied by the respective topics.

- A) 34.5 ☒ B) 52.7 C) 25.7 D) 21.6

Explanation:-

Normally students would find 12 % of 180 and 275 to answer this question, but if seen carefully there is no need to find 12%, you can directly find the percentage diff in 180 and 275 i.e. $95/180 \times 100$. Since 95 is more than half of 180, so answer has to be 52.7.

DIRECTION for the question: Solve the following question and mark the best option.
Question No. : 31

16 January 1997 was a Thursday. What day of the week was 4 January 2000?

- ☒A) Tuesday B) Wednesday C) Thursday D) Friday

Explanation:-
We have 16th Jan 1997 – Thursday
16th Jan 1998 – Friday
16th Jan 1999 – Saturday
16th Jan 2000 – Sunday, so 4th Jan 2000 - Tuesday.
Hence, option A is correct.

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

Question No. : 32

Ravi’s watch is 10 minutes slow and Ravi is under the impression that it is five minutes fast. Raju’s watch is five minutes fast and Raju think it is 10 minutes slow. They both plan to catch a train at 4 O'clock. Who gets there first?

- ☒A) Raju B) Both will reach at same time C) Ravi D) Cannot be determined

Explanation:-

	Real Time	Time by Watch	
Ravi	4:00	3:50	Ravi thinks : 3:45
Raju	4:00	4:05	Raju thinks : 4:15

Thus, when Ravi thinks that the time is 4:00, the actual time of reaching the station would be 4:15.
While, when Raju thinks that the time is 4:00, the actual time of reaching the station would be 3:45.
So, Raju will reach the station first at 3:45.

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

Question No. : 33

A clock is set right at 11 a. m. If it gains one minute an hour, what is approximately true time when the clock indicates 7 p. m the same day?

- A) 6:55 pm B) 6:51 pm C) 6:45 pm ☒D) 6:53 pm

Explanation:-
When actual time is 1 hour, clock will show $1 + \frac{1}{60} = \frac{61}{60}$ hours.
So when clock shows $\frac{61}{60}$ hours, actual time = 1 hr
When clock shows 8 hours, actual time = $\frac{1}{61} \times 60 \times 8 = \frac{480}{61} = 7 \text{ hours } 53 \text{ minutes}$. So actual time is 6:53pm.



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

Question No. : 34

A builder is planning to construct four single storied buildings - G, H, J and L - and three multi-storied buildings - X, Y and Z - over a period of 7 months. Each building takes exactly a month to be completed.

- A multi-storied building must be constructed in the fourth month.
- Building L must be constructed in the month immediately before the month in which building X is constructed.
- Buildings Y and Z cannot be constructed in consecutive months.
- Building G can only be constructed in either the fifth or the seventh month.
- Building J is constructed before building H.

If building H is constructed in the fifth month, which of the following must be true?

- A) Building L is constructed in the third month B) Building Y is constructed in the fourth month
C) Building J is constructed in the first month ☒ D) Building G is constructed in the seventh month

Explanation:-

Building G must be constructed in the 5th or the 7th month. If H is constructed in the 5th month, then G must be constructed in the 7th month.

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

Question No. : 35

A builder is planning to construct four single storied buildings - G, H, J and L - and three multi-storied buildings - X, Y and Z - over a period of 7 months. Each building takes exactly a month to be completed.

- A multi-storied building must be constructed in the fourth month.
- Building L must be constructed in the month immediately before the month in which building X is constructed.
- Buildings Y and Z cannot be constructed in consecutive months.
- Building G can only be constructed in either the fifth or the seventh month.
- Building J is constructed before building H.

If building X is constructed in the fourth month, which of the following is always true?

- A) Building H is constructed in the sixth month if building G is constructed in the seventh month
B) Building J is constructed in the second month if building Y is constructed in the sixth month
C) Building H is constructed in the fifth month if building J is constructed in the first month
☒ D) Building L is constructed in the first month if building Z is constructed in the second month

Explanation:-

Instead of putting down all possible arrangements, it is easier to find an arrangement that shows an option to be not necessarily true. In option 1, if building G is constructed in the 7th month, a possible arrangement from the 1st to the 7th month is JZLXHYG. So option 1 is not necessarily true. The same arrangement also shows that option 2 is not necessarily true. In option 3, if building J is constructed in the 1st month, a possible arrangement from the 1st to the 7th month is ZJLXHYG. So option 3 is not necessarily true. Hence option 4th is always true.



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

Question No. : 36

A builder is planning to construct four single storied buildings - G, H, J and L - and three multi-storied buildings - X, Y and Z - over a period of 7 months. Each building takes exactly a month to be completed.

- A multi-storied building must be constructed in the fourth month.
- Building L must be constructed in the month immediately before the month in which building X is constructed.
- Buildings Y and Z cannot be constructed in consecutive months.
- Building G can only be constructed in either the fifth or the seventh month.
- Building J is constructed before building H.

If a multi-storied building cannot be constructed in the fifth or the seventh month, which of the following must be true?

- ☒ A) Building H is constructed in the seventh month if building G is constructed in the fifth month
B) Building H is constructed in the fifth month if building G is constructed in the seventh month
C) Building L is constructed in the third month if building G is constructed in the fifth month
D) Building J is constructed in the first month if building G is constructed in the fifth month

Explanation:-

Instead of putting down all possible arrangements, it is easier to find an arrangement that shows an option to be not necessarily true. In option 2, if building G is constructed in the 7th month, a possible arrangement from the 1st to the 7th month is JZLXYHG. So option 2 is not necessarily true. In option 3, if building G is constructed in the 5th month, a possible arrangement from the 1st to the 7th month is JLXYGZH. So option 3 is not necessarily true. In option 4, if building G is constructed in the 7th month, a possible arrangement from the 1st to the 7th month is ZJLXYHG. So option 4 is not necessarily true. Hence 1st option has to be always true.

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

Question No. : 37

In order to gain full course credit for her tour of a foreign city, Sue must visit exactly seven famous points of interest - a factory, a garden, the harbour, a library, a museum, a palace and a theatre. Any tour plan that Sue devises will allow her to keep to her timetable and is thus acceptable, except that she must plan her tour to conform to the following conditions.

- The factory must be one of the first three points visited.
The harbour must be visited immediately before the garden.
The library can be neither the first nor the last point visited.
The museum must be either the first or the last point visited.
The palace must be one of the last three points visited.

Sue begins her tour with a visit to the harbour. Which of the following could be the fourth point of interest she would visit on the tour?

- A) the factory B) the garden ☒ C) the library D) the museum

Explanation:-

From the given conditions: The factory must be at point 1 or 2 or 3. The harbour must not be point 7 and garden must not be point 1. The library must be point 2 or 3 or 4 or 5 or 6. The museum must be point 1 or 7. The palace must be the point 5 or 6 or 7. The harbour must be the point visited just before the garden.
If Sue begins her tour at the harbour then the garden must be point 2. So, the factory must be point 3 and the museum must be point 7. The palace must be point 5 or 6. Library or theatre could be the 4th point.

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

Question No. : 38

In order to gain full course credit for her tour of a foreign city, Sue must visit exactly seven famous points of interest - a factory, a garden, the harbour, a library, a museum, a palace and a theatre. Any tour plan that Sue devises will allow her to keep to her timetable and is thus acceptable, except that she must plan her tour to conform to the following conditions.

- The factory must be one of the first three points visited.
- The harbour must be visited immediately before the garden.
- The library can be neither the first nor the last point visited.
- The museum must be either the first or the last point visited.
- The palace must be one of the last three points visited.

If Sue visits exactly one point of interest between her visits to the factory and the palace, then that point must be either the

- A) garden or the harbour ☒B) Library or the theatre C) harbour or the museum D) Library or the museum

Explanation:-

From the given conditions: The factory must be at point 1 or 2 or 3. The harbour must not be point 7 and garden must not be point 1. The library must be point 2 or 3 or 4 or 5 or 6. The museum must be point 1 or 7. The palace must be the point 5 or 6 or 7. The harbour must be the point visited just before the garden.

1 2 3 4 5 6 7
 F P

Since the harbour must be immediately followed by the garden, so neither the harbour nor the garden will be that point between the factory and the palace. So, options (A) and (C) are eliminated. Since museum must be either point 1 or 7, so option (D) is also eliminated. Hence option (B) is the answer.

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

Question No. : 39

find the missing no. 23,35,57,711,1113,1317?

- A) 972 B) 988 ☒C) 1719 D) 1821

Explanation:-

Here, we have written two consecutive prime nos. together. Prime nos. are 2,3,5,7,11,13,17,19,23 & so on. So, next no. will be 1719. Ans. is option C.

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

Question No. : 40

b e d f ? h j ? l

- ☒A) i m B) m i C) i n D) j m

Explanation:-

In the given series we have three series contained. One series is b, f and j, where the positions of letters are 2, 6 and 10 respectively. The second series is e, ? and ? and the third series is d, h and l where again the position of letters is 4, 8 and 12. The difference in the positions of letters is 4, so the difference in the position of letters in second series will also be 4. The first letter in second series is "e" having position 5, so the next letters will be at 9 and 13 positions. So the required letters are i and m. So answer is option 1.



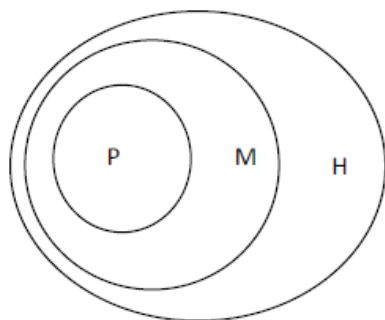
DIRECTIONS for the question: The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Question No. : 41

If it is true that All men are honest and All politicians are men for which among the following is it impossible to follow from the given premises ?

- ✓A) Some politicians are not honest B) All politicians are honest C) One politician is honest
D) All honest persons are politicians

Explanation:-



Some politicians are not honest impossible to follow from the given premises.

Politician is a subset of Men and Men is a subset of Honest. Thus, the conclusions that can be drawn are: 1. All politicians are honest 2. At least one politician is honest.

All honest persons are politicians may or may not be true. Thus, option (d) is not a conclusion but a possibility. Therefore, options (b), (c) and (d) are negated. But some politicians are not honest is neither a conclusion nor a possibility. It does not follow from the given premises.

DIRECTIONS for the question: The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Question No. : 42

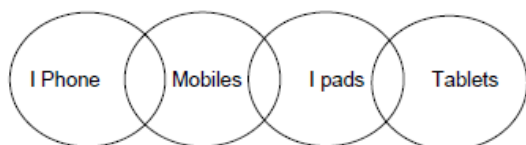
Statements:

- i. Some iphones are mobiles
ii. Some mobiles are ipads
iii. Some ipads are tablets

Conclusions:

- I. Some tablets are iphones II. Some mobiles are tablets
III. Some ipads are iphones IV. All iphones are tablets

- A) Only I & II follow B) Only I, II & III follow C) Only II & III follow ✓D) None of these



Explanation:-

So, no conclusion precisely follows. Hence, none of these

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

Question No. : 43

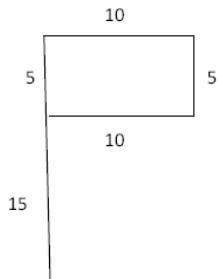
Neeraj starts walking towards South. After walking 15 metres, he turns towards North. After walking 20 metres, he turns towards East and walks 10 metres. He then turns towards South and walks 5 meters. How far is he from his original position and in which direction?

- ☒ A) 10 metres East B) 10 metres, South-east C) 10 metres, West D) 10 metres, North-east

Explanation:-

Keeping the directions in mind we get distance travelled = 15 — 20 + 10 + 5 = 10 towards East.

So option 1.



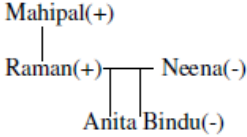
DIRECTIONS for the question: Solve the following question and mark the best possible option.

Question No. : 44

If Neena says, "Anita's father Raman is the only son of my father-in-law Mahipal", then how is Bindu, who is the sister of Anita, related to Mahipal?

- A) Niece B) Daughter C) Daughter-in-law ☒ D) None of these

Explanation:-



So Bindu is grand daughter of Mahipal. So option 4.

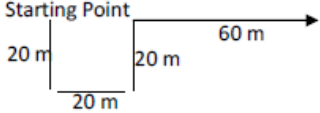
DIRECTIONS for the question: Solve the following question and mark the best possible option.

Question No. : 45

A person goes 20 metres towards South, then turns left and goes 20 metres and another 20 metres to the left and then 60 metres to the right. In which direction is he going now?

- A) North B) South ☒ C) East D) West

Explanation:-

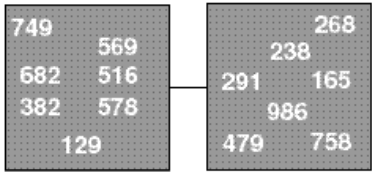


He is going in the east direction.

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

Question No. : 46

Which is the odd number out in the two squares?



- A) 749,238 B) 382,758 C) 682,165 ☒D) 569,986

Explanation:-

The numbers in the second box are obtained by rearranging the digits of numbers in the first box. The numbers that don't satisfy this are 569 and 986.

DIRECTIONS for the question: Go through all the options and mark the one which does not belong to the group.

Question No. : 47

- A) Featherweight ☒B) Paperweight C) Lightweight D) Heavyweight

Explanation:-

'Paperweight' is an object and rests are categories of weight in boxing.

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

Question No. : 48

Four friends — Arjan, Bhuvan, Guran and Lakha were comparing the number of sheep that they owned. If Arjan gave one third to Bhuvan, and Bhuvan gave a quarter of what he then held to Guran, who then passed on a fifth of his holding to Lakha, they would all have an equal number of sheep.

The minimum no. of sheep that Guran should have so that each of them has an integral no. of sheep are

- A) 34 B) 55 ☒C) 11 D) 105

Explanation:-

Say Arjan, Bhuvan, Guran and Lakha had a , b , g & l sheep respectively.
Also it is given that at the end each would have an equal number of sheep,

Arjan's sheep = Bhuvan's sheep

$$2a/3 = a/4 + 3b/4$$

$$5a = 9b.$$

Arjan's sheep = Guran sheep

$$2a/3 = a/15 + b/5 + 4g/5$$

$$30a = 3a + 5a + 36g$$

$$11a = 18g.$$

Arjan's Sheep = Lakha's sheep

$$2a/3 = a/60 + b/20 + g/5 + l$$

$$2a/3 = a/60 + a/36 + 11a/90 + l \text{ (as } b = 5a/9 \text{ and } g = 11a/18)$$

$$a = 2l.$$

For a , b , g and l to be integers, the minimum value of a is 18 sheep.
Thus Arjan had 18 sheep, Bhuvan had $5a/9$ i.e. 10 sheep, Guran had $11a/18$ i.e. 11 sheep and Lakha had 9 sheep.
So option 3 is the right answer

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

Question No. : 49

3	5	8	7
4	6	4	6
5	2	2	3
<hr/>			
58	58	62	?

What should come in the place of question mark?

- A) 122 B) 128 ☒ C) 124 D) 126

Explanation:-

First Column (3→4→5) - 2 = 58
Second Column (5→6→2) - 2 = 58
Third Column (8→4→2) - 2 = 62
Forth Column (7→6→3) - 2 = [124]

Hence the answer is option 3

DIRECTIONS for the question: In the question below, a statement is followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement. Mark your answer as

Question No. : 50

Statement:

Many people visiting India from country 'X' have been tested positive for carrying virus of a killer disease.

Courses of action:

- I. The government of India should immediately put a complete ban on people coming to India from country 'X' including those Indians who are settled in country 'X'.
- II. The government of India should immediately set-up detection centres at all its airports and seaports to identify and quarantine those testing positive.

- A) if only Course of action I is strong ☒ B) if only Course of action II is strong
C) if neither Course of action I nor II are strong D) if both Course of action I and II are strong

Explanation:-

Option B.

1st course of action is not valid as we cannot impose ban on all the people even Indians who are settled abroad
2nd course of action is valid as it addresses the problem in a sensible way.

Section : Verbal Ability

Question No. : 51

DIRECTIONS for the question: Read the following passage and answer the question.

While the British progressively took over more and more of the emperor’s power, removing his name from the coins, seizing control even of the city of Delhi itself, and finally laying plans to remove the Mughals altogether from the Red Fort, the court busied itself in obsessive pursuit of the most cleverly turned *gazal*, the Urdu couplet. As the political sky darkened, the court was lost in a last idyll of pleasure gardens, courtesans and *mushairas*.

Then on May morning in 1857, three hundred mutinous sepoy from Meerut rode into Delhi, massacred every Christian man, woman and child they could find in the city and declared Zafar to be their leader and emperor. No friend of the British, Zafar was powerless to resist being made the leader of an uprising he knew from the start was doomed: a chaotic and officerless army of unpaid peasant soldiers set against the forces of the world’s greatest contemporary military power. No foreign army was in a position to intervene to support the rebels, and they had little ammunition and few supplies.

The Siege of Delhi was modern India’s Stalingrad: a Fight to the death between two powers, neither of whom could retreat. There were unimaginable casualties, and on both sides the combatants were driven to the limits of physical and mental endurance. Finally, on September 14, 1857, the British and their hastily assembled army of Sikh and Pathan levees assaulted and took the city, sacking and looting the Mughal capital, and massacring in cold blood great swathes of the population. In one mohalla alone, Kucha Chelan, some 1400 Delhiwallas were cut down. “The orders went out to shoot every soul,” recorded Edward Vilbert, a newly-orphaned 19-year-old subaltern.

Those city dwellers who survived the killing were driven out into the countryside to fend for themselves. Delhi was left an empty ruin. Though the royal family had surrendered peacefully, most of the emperor’s sixteen sons were tried and hung, while three were shot in cold blood. Zafar himself was put on trial in the ruins of his old palace, and sentenced to transportation. He left his beloved Delhi on a peasant’s bullock cart. Separated from everything he loved, broken-hearted, the last of the Great Mughals died in exile in Rangoon on Friday, November 7, 1862, aged 87

..... excerpts from *The Last Mughal* by William Dalrymple.

While the British were plotting to remove the Mughals all together, the emperor was busy with

- A) Rallying the sepoy together to fight the British
- B) Removing his name from the coins
- ☒ C) His obsessive pursuit of *gazals*
- D) Writing *gazals*, the Urdu couplets

Explanation:-

Refer to para 1. — the court busied itself in obsessive pursuit of the most cleverly turned *gazal*, the Urdu couplet.
Hence **option C** is correct.

Question No. : 52

DIRECTIONS for the question: Read the following passage and answer the question.

While the British progressively took over more and more of the emperor's power, removing his name from the coins, seizing control even of the city of Delhi itself, and finally laying plans to remove the Mughals altogether from the Red Fort, the court busied itself in obsessive pursuit of the most cleverly turned *gazal*, the Urdu couplet. As the political sky darkened, the court was lost in a last idyll of pleasure gardens, courtesans and *mushairas*.

Then on May morning in 1857, three hundred mutinous sepoys from Meerut rode into Delhi, massacred every Christian man, woman and child they could find in the city and declared Zafar to be their leader and emperor. No friend of the British, Zafar was powerless to resist being made the leader of an uprising he knew from the start was doomed: a chaotic and officerless army of unpaid peasant soldiers set against the forces of the world's greatest contemporary military power. No foreign army was in a position to intervene to support the rebels, and they had little ammunition and few supplies.

The Siege of Delhi was modern India's Stalingrad: a Fight to the death between two powers, neither of whom could retreat. There were unimaginable casualties, and on both sides the combatants were driven to the limits of physical and mental endurance. Finally, on September 14, 1857, the British and their hastily assembled army of Sikh and Pathan levees assaulted and took the city, sacking and looting the Mughal capital, and massacring in cold blood great swathes of the population. In one mohalla alone, Kucha Chelan, some 1400 Delhiwallas were cut down. "The orders went out to shoot every soul," recorded Edward Vilbert, a newly-orphaned 19-year-old subaltern.

Those city dwellers who survived the killing were driven out into the countryside to fend for themselves. Delhi was left an empty ruin. Though the royal family had surrendered peacefully, most of the emperor's sixteen sons were tried and hung, while three were shot in cold blood. Zafar himself was put on trial in the ruins of his old palace, and sentenced to transportation. He left his beloved Delhi on a peasant's bullock cart. Separated from everything he loved, broken-hearted, the last of the Great Mughals died in exile in Rangoon on Friday, November 7, 1862, aged 87

..... excerpts from *The Last Mughal* by William Dalrymple.

The emperor Zafar became the leader of the uprising because

- A) He hated the powerful British B) A large number of sepoys were charged with intense desire to fight those in the British army
C) No foreign army was in a position to intervene ☒ D) None of the above

Explanation:- Para.2 states . "No friend of the British, Zafar was powerless to resist being made the leader of an uprising he knew from the start was doomed: a chaotic and officerless army of unpaid peasant soldiers set against the forces of the world's greatest contemporary military power.No foreign army was in a position to intervene to support the rebels, and they had little ammunition and few supplies".

Zafar was not a friend of British, but does not mean that he hated British.

The soldiers in the army were unpaid peasants, there was no intense desire in them to fight British army.

Option C is incomplete

Hence **option D** is the right answer.

Question No. : 53

DIRECTIONS for the question: Read the following passage and answer the question.

While the British progressively took over more and more of the emperor's power, removing his name from the coins, seizing control even of the city of Delhi itself, and finally laying plans to remove the Mughals altogether from the Red Fort, the court busied itself in obsessive pursuit of the most cleverly turned *gazel*, the Urdu couplet. As the political sky darkened, the court was lost in a last idyll of pleasure gardens, courtesans and *mushairas*.

Then on May morning in 1857, three hundred mutinous sepoys from Meerut rode into Delhi, massacred every Christian man, woman and child they could find in the city and declared Zafar to be their leader and emperor. No friend of the British, Zafar was powerless to resist being made the leader of an uprising he knew from the start was doomed: a chaotic and officerless army of unpaid peasant soldiers set against the forces of the world's greatest contemporary military power. No foreign army was in a position to intervene to support the rebels, and they had little ammunition and few supplies.

The Siege of Delhi was modern India's Stalingrad: a Fight to the death between two powers, neither of whom could retreat. There were unimaginable casualties, and on both sides the combatants were driven to the limits of physical and mental endurance. Finally, on September 14, 1857, the British and their hastily assembled army of Sikh and Pathan levees assaulted and took the city, sacking and looting the Mughal capital, and massacring in cold blood great swathes of the population. In one mohalla alone, Kucha Chelan, some 1400 Delhiwallas were cut down. "The orders went out to shoot every soul," recorded Edward Vilbert, a newly-orphaned 19-year-old subaltern.

Those city dwellers who survived the killing were driven out into the countryside to fend for themselves. Delhi was left an empty ruin. Though the royal family had surrendered peacefully, most of the emperor's sixteen sons were tried and hung, while three were shot in cold blood. Zafar himself was put on trial in the ruins of his old palace, and sentenced to transportation. He left his beloved Delhi on a peasant's bullock cart. Separated from everything he loved, broken-hearted, the last of the Great Mughals died in exile in Rangoon on Friday, November 7, 1862, aged 87

..... excerpts from *The Last Mughal* by William Dalrymple.

The author compares the Siege of Delhi to that of Stalingrad because

- A) The Sepoys were mutinous and could not have given up. B) The British were determined to remove the Mughals.
C) The emperor was not interested in fighting the British.
✓D) The powerful British and the mutinous Sepoys were prepared to fight till death.

Explanation:- Refer to para.3 — *The Siege of Delhi was modern India's Stalingrad: a Fight to the death between two powers, neither of whom could retreat.*

Hence **option D** is the answer.

Question No. : 54

DIRECTIONS for the question: Read the following passage and answer the question.

While the British progressively took over more and more of the emperor’s power, removing his name from the coins, seizing control even of the city of Delhi itself, and finally laying plans to remove the Mughals altogether from the Red Fort, the court busied itself in obsessive pursuit of the most cleverly turned *gaza*l, the Urdu couplet. As the political sky darkened, the court was lost in a last idyll of pleasure gardens, courtesans and *mushairas*.

Then on May morning in 1857, three hundred mutinous sepoys from Meerut rode into Delhi, massacred every Christian man, woman and child they could find in the city and declared Zafar to be their leader and emperor. No friend of the British, Zafar was powerless to resist being made the leader of an uprising he knew from the start was doomed: a chaotic and officerless army of unpaid peasant soldiers set against the forces of the world’s greatest contemporary military power. No foreign army was in a position to intervene to support the rebels, and they had little ammunition and few supplies.

The Siege of Delhi was modern India’s Stalingrad: a Fight to the death between two powers, neither of whom could retreat. There were unimaginable casualties, and on both sides the combatants were driven to the limits of physical and mental endurance. Finally, on September 14, 1857, the British and their hastily assembled army of Sikh and Pathan levees assaulted and took the city, sacking and looting the Mughal capital, and massacring in cold blood great swathes of the population. In one mohalla alone, Kucha Chelan, some 1400 Delhiwallas were cut down. “The orders went out to shoot every soul,” recorded Edward Vilbert, a newly-orphaned 19-year-old subaltern.

Those city dwellers who survived the killing were driven out into the countryside to fend for themselves. Delhi was left an empty ruin. Though the royal family had surrendered peacefully, most of the emperor’s sixteen sons were tried and hung, while three were shot in cold blood. Zafar himself was put on trial in the ruins of his old palace, and sentenced to transportation. He left his beloved Delhi on a peasant’s bullock cart. Separated from everything he loved, broken-hearted, the last of the Great Mughals died in exile in Rangoon on Friday, November 7, 1862, aged 87

..... excerpts from *The Last Mughal* by William Dalrymple.

Select the most appropriate from the following of what the author conveys through the sentence “three hundred mutinous sepoys from Meerut rode into Delhi, massacred every.....?” in the 2nd paragraph.

- A) The sepoys were determined to kill or mutilate people ruthlessly
- ☒ B) The sepoys were insane with hatred towards everything that represented the British and were ready to mutilate or massacre them
- C) The sepoys had come charged with a plan to revolt and killed ruthlessly to show their resistance to the regime
- D) The sepoys were ready to kill anyone who came in their way

Explanation:-

The mutinous sepoys massacred women and children , which shows they were so blind with anger that they were not able to behave in a civilized fashion.

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

Question No. : 55

Maudlin

- A) Caravan
- ☒ B) Sentimental
- C) Tendentious
- D) Smothered

Explanation:-

Tendentious is having purpose or tendency.

Maudlin is extremely sentimental.

Smother is to stifle or suffocate, as by smoke or other means of preventing free breathing.

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

Question No. : 56

Mordant

- ☒ A) Astringent
- B) Verdure
- C) Veritable
- D) Mortal

Explanation:-

The word means – (especially of humor) having or showing a sharp or critical quality; biting;; hence the correct option is 1 , which means the same.

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

Question No. : 57

INGENUOUS

- ✓A) Innocent B) Secret C) Insincere D) Consistent

Explanation:-

Ingenuous is innocent.

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

Question No. : 58

PLACID

- A) Mere ✓B) Serene C) Good D) Wary

Explanation:-

Serene and placid are synonymous. They denote being even tempered

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

Question No. : 59

MALICIOUS

- ✓A) Benevolent B) Boastful C) Generous D) Indifferent

Explanation:-

'malicious' means 'ill natured' hence option 1

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

Question No. : 60

Magnanimous

- A) big B) cruel C) snobbish ✓D) selfish

Explanation:- *Magnanimous means generous, its opposite is selfish.*

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

Question No. : 61

Revulsion

- ✓A) admiration B) disapproval C) disparagement D) denigration

Explanation:-

Revulsion means 'moving away from something or strong dislike from something therefore its opposite will be 'admiration' which means 'liking for something/somebody'.

'Disparagement' is 'something that casts in a bad light'.

'Denigration' means 'to make black or criticism'.

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

Question No. : 62

GARISH

- ☒ A) cheap B) Costly C) Flashy D) beautiful

Explanation:-

Garish means 'excessively ornate or elaborate' so its opposite will be 'cheap'.

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

Question No. : 63

Risible:

- ☒ A) serious B) amusing C) Ludicrous D) ridiculous

Explanation:-

Risible' means laughable or amusing.

Ludicrous means stupid and foolish.

DIRECTIONS for the question: Choose the option that fills the blanks in each sentence.

Question No. : 64

Carried away by theeffects of the experimental medication, the patient.... his desire to continue as a subject for as long as he could.

- A) noxious, proclaimed B) supplementary, announced C) frantic, repeated ☒ D) salutary, reiterated

Explanation:-

Whenever any new drug is being researched, some guinea pigs are sought for trials. The final approval for any drug comes only after all observations have been noted in such clinical trials over a long period of time.

In the context of this sentence the subject wanted to continue further with the trials. He would do so only if he was happy with the effects of the medication. Hence the first blank is salutary, which means beneficial.

The second blank in this case could be any of the options — the decider is the first one.

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

Question No. : 65

The _____ in earnings apart, it is noteworthy that a good part of the decline in this stock is also _____ to a de-rating of the stock's price-earnings multiple from nine times to less than four now.

- A) increasing, due B) spurts, attributed C) decrease, partly ☒ D) volatility, attributable

Explanation:-

The word decline and de-rating of the stocks ...from nine times to less than four times makes the option 4 ,the best fit.

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

Question No. : 66

The future is un-decidable but, _____, it seems to me the _____ that capital should be used for social justice is not going to go away.

- A) disregard, range B) anyhow, hint C) nonetheless, horizon ☒ D) nonetheless, notion

Explanation:-

The context says that in all situations the idea of capital being used for social justice will remain forever. So 'anyhow' or 'anyway/nonetheless can come in the first blank as both mean 'in any situation'.In second blank the belief or perception should come and this leads to 'notion'.



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

Question No. : 67

The consequences of his haughtiness were that his services were dispensed _____by his master.

- ✓A) with B) about C) from D) up

Explanation:-

The services were “**dispensed with**” and it means 'forgo'.

Dispense is followed by with.

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

Question No. : 68

The state government embarked _____the implementation of the prohibition program in a vigorous manner.

- A) at B) about ✓C) upon D) beside

Explanation:-

“**Embarked**” always takes **upon**. It means to start a project.

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. In case no improvement is needed, choose the option “No improvement required”.

Question No. : 69

- A) The room was not dark, a light glimmer through some panes of glass that were placed in the closet-door
B) Light glimmered through some panes of glass that were placed at the upper part of a closet-door and the room was dark
✓C) The room was dark, but a light glimmered through some panes of glass that were placed in the upper part of a closet-door
D) Light shone through some panes of glass in the room

Explanation:-

We need contrasting words in the sentence that explains that though the room was dark yet there was a glimmer of light.

Option A changes the intended meaning .

Similarly, in option B, the light glimmered at the upper part of a closet-door does not elaborate on the idea.

Option D is incomplete.

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

Question No. : 70

New hires in this laboratory should anticipate excellent research opportunities and getting valuable clinical experience.

- ✓A) as well as B) and also getting C) And obtaining D) No improvement

Explanation:-

The proper structure should be 'x.... as well asy'.



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

Question No. : 71

The Courage Magazine, a firm supporter of the social equality and significant as a publication in social science as well, represent the workmanship of diverse writers.

- A) and significant as a publication in social science as well, represent
- ✓ B) as well as a significant publication in social science, represents
- C) as well as a significant publication in social science, represent
- D) a significant publication in social science and has been a representative of

Explanation:-

The subject of the verb 'represents' is 'The Courage Magazine'. Clearly, this is a singular subject and therefore, a singular verb is required in this case. Remember, the phrase (a firm supporter of the social equality as well as a significant publication in social science) simply defines a quality of the subject and is not a subject in itself.

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

Question No. : 72

The advancement of technology has lead to a situation where it allows product-manufacturers to make products more cost-effective now that at any time in their product history.

- A) products more cost-effective now that at any time in their product history.
- ✓ B) products that are more cost-effective than those at any other time in product history.
- C) more cost-effective products that those at any other time in their product history.
- D) more cost-effective products now that at any time in product history.

Explanation:-

Options 3 and 4 commit the mistake of implying that there are a greater number of cost-effective products in comparison to the past whereas the sentence implies that products are more cost-effective in comparison to the past. Also, the use of 'their' is not required. Thus, option 2 is the correct answer.

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

Question No. : 73

Large populations no longer necessarily enhance state power and, in the absence of high levels of economic development, can impose severe burdens on food supply, jobs, and the broad range of services expected of modern governments.

- ✓ A) in the absence of high levels of economic development, can impose severe burdens on food supply, jobs, and the broad range of services expected of modern governments.
- B) the absence of high levels of economic development, can impose severe burdens on food supply, jobs, and the broad range of services expected of modern governments.
- C) in the absence of high levels of economic development, can impose severe burdens on food supply, jobs, and the broad range services expected of modern governments.
- D) in the absence of high levels of economical development, can impose severe burdens on food supply, jobs, and the broad range of services expected of modern governments.

Explanation:-

Option A is the answer. The sentence is correct as given.

In option B — the in which is missing gives a different meaning to the sentence.

In option C — it should be broad range of services and not broad range services

In option D — Economical means inexpensive which does not fit the context. We need the word economic as the word describes development.



DIRECTIONS for the question: From amongst the four words following the phrase, choose one, which exactly fits the meaning of the phrase:
Question No. : 74

Clear thinking and deep perception about a situation:

- ✓A) Insight B) Lucidity C) Reflection D) Contemplation

Explanation:-

Insight : Clear or deep perception of a situation/. Lucidity is clarity. Contemplation is deep thinking.

DIRECTIONS for the question: Choose an option, which can be substituted for a given word/sentence/phrase out of given options.

Question No. : 75

A poem written on the death of someone loved and lost

- A) Ode B) Epic C) Sonnet ✓D) Elegy

Explanation:-

Option 4.

*An **elegy** is a sad poem, usually written to praise and express sorrow for someone who is dead.*

Ode: a lyric poem with complex stanza forms. Sonnet : a verse form consisting of 14 lines with a fixed rhyme scheme