



IBPS RRB Clerk 2018

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Instructions

For the following questions answer them individually

Question 1

Rupa invested P in a scheme offering simple interest at the rate of 12% p.a. If the difference between the interest earned at the end of three years and that earned at the end of five years was 2880/-, what is the value of 'P' ?

- A 9,000/-
- B 10,800/-
- C 12,000/-
- D 15,000/-
- E 18,000/-

Answer: C

Explanation:

Let the principal = Rs. P

$$S.I. = \frac{P \times R \times T}{100}$$

Acc. to ques,

$$\Rightarrow \left(\frac{P \times 12 \times 5}{100} \right) - \left(\frac{P \times 12 \times 3}{100} \right) = 2880$$

$$\Rightarrow \frac{60P}{100} - \frac{36P}{100} = 2880$$

$$\Rightarrow 24P = 2880 \times 100 = 288000$$

$$\Rightarrow P = \frac{288000}{24} = 12,000$$

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Question 2

A car runs at the speed of 40 when not serviced and runs at 65 kmph when serviced. After servicing the car covers a certain distance in 5 hours. How much approximate time will the car take to cover the same distance when not serviced ?

- A 10
- B 7
- C 12
- D 8
- E 6

Answer: D

Explanation:

After servicing, the distance covered by car in 5 hours = $65 * 5 = 325$ km

Without servicing, speed of car = 40 kmph

$$\Rightarrow \text{Required time} = \frac{\text{Distance}}{\text{Speed}}$$

$$= \frac{325}{40} = 8.125 \text{ hr}$$

≈ 8 hours

Question 3

In a vessel there is 40 litres mixture of milk and water. There is 15% water in the mixture. The milkman sells 10 litres of mixture to a customer and thereafter adds 12.5 litres of water to the remaining mixture. What is the respective ratio of milk and water in the new mixture ?

- A 2 : 3
- B 3 : 2
- C 3 : 4
- D 4 : 3
- E None of these

Answer: B

Explanation:

Mixture remaining after selling 10 litres = $40 - 10 = 30$ litres

Now, quantity of water in 30 litres of mixture = $\frac{15}{100} * 30 = 4.5$ litres

Milk = $30 - 4.5 = 25.5$ litres

After adding 12.5 litres of water, total quantity of water = $12.5 + 4.5 = 17$ litres

∴ Required ratio of milk and water = $25.5 : 17$

= $1.5 : 1 = 3 : 2$

Question 4

The cost price of an item is two-third of its selling price. What is the gain/loss percent on that item?

- A 45
- B 50
- C 35
- D 54
- E None of these

Answer: B

Explanation:

Given that ,

Cost price (cp) = $\frac{2}{3}$ selling price(sp)

Clearly, selling price is more than cost price. Hence it is a GAIN .

Gain% = $[(sp - cp) / cp] * 100$

= $[(sp/cp) - 1] * 100$

= $(\frac{3}{2} - 1) * 100$

= 50

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Question 5

18 men can complete a project in 30 days and 16 women can complete the same project in 36 days. 15 men start working and after 9 days they are replaced by 18 women. In how many days will 18 women complete the remaining work ?

- A 20
- B 30
- C 26
- D 28
- E 24

Answer: E

Explanation:

$$\frac{M_1 D_1}{W_1} = \frac{M_2 D_2}{W_2}$$

$$W_1 = W_2 = Q$$

$$\frac{18M \times 30}{Q} = \frac{16W \times 36}{Q}$$

$$M = \frac{32}{30} W \dots(1)$$

Let the days required by 18 women to complete the remaining work = y days

$$\text{so } \frac{(15M \times 9) + (18W \times y)}{Q} = \frac{16W \times 36}{Q} \dots(2)$$

using equation 1 and 2

$$\frac{(16W \times 9) + (18W \times y)}{Q} = \frac{16W \times 36}{Q}$$

$$144W + 18Wy = 576W$$

$$18Wy = 432W$$

$$y = 24 \text{ days}$$

Instructions

What approximate value will come in place of question mark (?) in the given questions? (You are not expected to calculate the exact value).

Question 6

$$344 \div 4.99 + 144.08 \div 8.89 = ?$$

- A 119
- B 85
- C 43
- D 54
- E 132

Answer: B

Explanation:

$$\text{Expression : } 344 \div 4.99 + 144.08 \div 8.89 = ?$$

$$= \left(\frac{345}{5} \right) + \left(\frac{144}{9} \right)$$

$$= 69 + 16 = 85$$

Question 7

$$\sqrt{?} \times 359.88 \div 12.01 = 289 - 109.992$$

- A 4
- B 16
- C 84
- D 36
- E 1

Answer: D

Explanation:

Expression : $\sqrt{?} \times 359.88 \div 12.01 = 289 - 109.992$

$$\Rightarrow \sqrt{x} \times \frac{360}{12} = 290 - 110$$

$$\Rightarrow \sqrt{x} \times 30 = 180$$

$$\Rightarrow \sqrt{x} = \frac{180}{30} = 6$$

$$\Rightarrow x = (6)^2 = 36$$

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Question 8

$43.99 \times 20.001 - 1439 \div 6 = ?$

- A 500
- B 640
- C 540
- D 600
- E 680

Answer: B

Explanation:

Expression : $43.99 \times 20.001 - 1439 \div 6 = ?$

$$= (44 \times 20) - \left(\frac{1440}{6}\right)$$

$$= 880 - 240 = 640$$

Question 9

$459.85 + 519.82 = ?\% \text{ of } 1399.92$

- A 90
- B 70
- C 75
- D 50
- E 80

Answer: B

Explanation:

Expression : $459.85 + 519.82 = ?\%$ of 1399.92

$$\Rightarrow 460 + 520 = \frac{x}{100} \times 1400$$

$$\Rightarrow 980 = 14x$$

$$\Rightarrow x = \frac{980}{14} = 70$$

Question 10

40 % of 249 ÷ 4 + ? = 6.9992

A 24

B 18

C 42

D 56

E 34

Answer: B

Explanation:

40 % of 249 ÷ 4 + ? = 6.9992

$$0.40 \times 249 / 4 + 6.9992 = ?$$

$$? = 18$$

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Instructions

In the following number series, only one number is "wrong". Find out the "wrong" number.

Question 11

13, 15, 17, 18, 21, 23

A 17

B 15

C 21

D 18

E None of these

Answer: D

Explanation:

The difference between any two consecutive numbers is 2. So, the number that is wrong in the series is 18.

The correct series is 13 15 17 19 21 23.

Question 12

3.5, 4, 14, 56, 782, 43904

A 14

B 56

- C 782
- D 43904
- E None of these

Answer: C

Explanation:

$$3.5 \times 4 = 14$$

$$4 \times 14 = 56$$

$$14 \times 56 = 784$$

$$56 \times 784 = 43904$$

The odd one out in the given sequence is 782.

Question 13

128, 640, 981, 1199, 1324, 1388

- A 640
- B 1199
- C 1324
- D 1388
- E None of these

Answer: E

Explanation:

Let us find the difference between consecutive terms of the series.

The terms are 128, 640, 981, 1199, 1324 and 1388

And the difference between consecutive terms is 512, 341, 218, 125, 64

We notice that if 981 is replaced by 983, the difference in the terms will be perfect cubes i.e 512, 343, 216, 125 and 64. Hence, the number which is wrong in the series is 983

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Question 14

12, 114, 600, 2428, 7272, 14550

- A 2428
- B 7272
- C 600
- D 114
- E None of these

Answer: A

Explanation:

2428. All others are divisible by 3.

Question 15

828, 424, 220, 116, 64, 33

- A 220
- B 64
- C 33
- D 116
- E None of these

Answer: B**Explanation:**

$$424 = 828/2 + 10$$

$$220 = 424/2 + 8$$

$$116 = 220/2 + 6$$

The next number should be $116/2 + 4 = 62$

So, 64 is the wrong number in the series.

Instructions

Study the given table carefully to answer the question that follow:
percentage of marks obtained by five students in five different subjects in a school

A	B	C	D	E	F
Subject	English	Science	Mathematics	Social	Hindi
Student	100	152	150	75	50
Rahul	67	84	70	64	90
Veena	59	72	74	88	84
Soham	66	90	84	80	76
Shreya	71	66	80	66	86
varun	63	76	88	68	72

Question 16

What is the average marks obtained by all the students together in English ?

- A 64.6
- B 60.4
- C 66.7
- D 68.4
- E None of these

Answer: E**Explanation:**

$$\text{Average marks in English} = (67+59+66+71+63)/5 = 326/5 = 65.2$$

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Question 17

What is varun's overall percentage in the examination ?

- A 81.5
- B 78.2
- C 75.4
- D 69.8
- E None of these

Answer: C

Explanation:

Varun's overall percentage = $(63\% \text{ of } 100 + 76\% \text{ of } 152 + 88\% \text{ of } 150 + 68\% \text{ of } 75 + 72\% \text{ of } 50) / (100 + 152 + 150 + 75 + 50) = 75.4\%$

Question 18

What is the ratio of the total marks obtained by Veena and Shreya together in Mathematics to the marks obtained by Rahul in the same subject ?

- A 11:5
- B 7:9
- C 5:11
- D 9:7
- E None of these

Answer: A

Explanation:

Total marks in Mathematics for Veena and Shreya = $74\% \text{ of } 150 + 80\% \text{ of } 150 = 111 + 120 = 231$

Total marks in Mathematics by Rahul = $70\% \text{ of } 150 = 105$

Ratio = $231:105 = 33:15 = 11:5$

Question 19

If in order to pass the exam a minimum of 95 marks is needed in Science how many students pass the exam ?

- A None
- B Five
- C One
- D Two
- E Four

Answer: B

Explanation:

Minimum 95 marks is needed in science.

Passing percentage = $95/152 = 62.5\%$

All the students pass the science exam.

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Question 20

What is the total marks obtained by Soham in all the subjects together ?

- A 396
- B 408
- C 426.8
- D 398.5
- E None of these

Answer: C

Explanation:

Total marks by Soham = 66% of 100 + 90% of 152 + 84% of 150 + 80% of 75 + 76% of 50 = 66+136.8+126+60+38 = 426.8

Instructions

What will come in the place of question mark(?) in the given questions?

Question 21

$$4\frac{1}{2} + (1 \div 2\frac{8}{9}) - 3\frac{1}{13} = ?$$

- A $1\frac{9}{26}$
- B $2\frac{7}{13}$
- C $1\frac{11}{26}$
- D $2\frac{4}{13}$
- E $1\frac{10}{13}$

Answer: E

Explanation:

Given equation can be written as the following:

$$\begin{aligned} \frac{9}{2} + \frac{9}{26} - \frac{40}{13} &= \frac{46}{26} \\ &= \frac{23}{13} \end{aligned}$$

Hence, answer will be E

Question 22

$$\begin{aligned} 6 \times 136 \div 8 + 132 \\ 628 \div 16 - 26 \cdot 25 &= ? \end{aligned}$$

- A 15
- B 24
- C 18
- D 12
- E 28

Answer: C

Explanation:

After solving according to the BODMAS rule, numerator of the given equation will be = $102+132 = 234$

Denominator will be = $39.25 - 26.25 = 13$

Hence, answer will be = $\frac{234}{13} = 18$

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Question 23

$$(441)^{1/2} \times 207 \times (343)^{1/3} \div ((14)^2 \times (529)^{1/2}) = ?$$

- A 5.75
- B 6.75
- C 7.75
- D 6.25
- E 6.50

Answer: B

Explanation:

Given equation can be written as follows:

$$(21 \times 207 \times 7) \div (196 \times 23) = \frac{189}{28} = 6.75$$

Question 24

$$\sqrt{7744} \times (11)^2 \div (2)^3 = ?^3$$

- A 7
- B 9
- C 11
- D 13
- E 17

Answer: C

Explanation:

Given equation can be written as following:

$$(88 \times 121) \div 8 = 1331 = (11)^3$$

Hence, answer will be 11

Question 25

$$(4356)^{1/2} \times \frac{4}{11} = \sqrt{?} \times 6$$

- A 2
- B 4
- C 8
- D 6

E 16

Answer: E

Explanation:

Square root of 4356 will be = 66

Hence, $\frac{66 \times 4}{11}$ will be = 24

So, $24 = \sqrt{?} \times 6$

Hence, the answer is 16

So answer will be E

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Question 26

$\frac{3}{8}$ of $(4624 \div (564 - 428)) = ?$

A $13\frac{1}{4}$

B $14\frac{1}{2}$

C $11\frac{5}{6}$

D $12\frac{3}{4}$

E $12\frac{1}{8}$

Answer: D

Explanation:

Given equation can be written as follows:

$\frac{3}{8}$ of $(4624/136)$ or $\frac{3}{8}$ of 34 i.e. $\frac{51}{4}$

Hence, answer will be D

Question 27

$456 \div 24 \times 38 - 958 + 364 = ?$

A 112

B 154

C 128

D 136

E 118

Answer: C

Explanation:

Given equation can be solved as follows:

$456 \div 24 = 19$

$19 \times 38 - 958 + 364 = 128$

Hence, answer will be C

Question 28

$$(43)^2 + 841 = (?)^2 + 1465$$

- A 41
- B 35
- C 38
- D 33
- E 30

Answer: B

Explanation:

As we know that square of 43 will be = 1849

Hence, answer will be = $\sqrt{1849 + 841 - 1465} = \sqrt{1225} = 35$

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Question 29

$$(3^3 \times 6^{12}) - (2^{16} \times 3^1) = ?$$

- A 21
- B 18
- C 14
- D 15
- E 16

Answer: C

Explanation:

Given equation can be written as following:

$$\left(\frac{27}{8} \times \frac{77}{12}\right) - \left(\frac{35}{16} \times \frac{7}{2}\right)$$

$$\frac{693-245}{32} = 14$$

Question 30

$$(34 \cdot 5 \times 14 \times 42) \div 28 = ?$$

- A 715.0
- B 736.5
- C 724.5
- D 757.5
- E 733.5

Answer: C

Explanation:

Equation can be solved as following:

$$(34 \cdot 5 \times 14 \times 42) \div 28 = (34 \cdot 5 \times 21) = 724.5$$

Instructions

Study the following table carefully and answer the questions given below :

Marks obtained by different students in different subjects

Students\Subjects (max. marks)	Hindi(100)	English(100)	Social Studies(100)	Science(75)	Sanskrit(50)	Phy.Edu(75)
Anupama	85	95	87	65	35	71
Bhaskar	72	97	55	2	41	64
Charu	64	78	74	55	25	53
Deepak	65	62	69	70	40	50
Garima	92	82	81	49	30	61
Vishal	55	70	65	44	28	30

Question 31

How many students have scored the lowest marks in two or more subjects ?

- A 2
- B 3
- C 1
- D 0
- E 4

Answer: C

Explanation:

Marks scored by Bhaskar in Science = 2

Lowest marks in :

Hindi - Vishal

English - Deepak

Social Studies - Bhaskar

Science - Vishal

Sanskrit - Charu

Phy. Edu - Vishal

Only, Vishal scored the lowest marks in two or more subjects

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Question 32

Who has scored the highest marks in all the subjects together?

- A Deepak
- B Charu
- C Anupama
- D Garima

E Bhaskar

Answer: C

Explanation:

Marks scored by Bhaskar in Science = 62

Marks scored in all the subjects together by :

Anupama = $85 + 95 + 87 + 65 + 35 + 71 = 438$ [MAX]

Bhaskar = $72 + 97 + 55 + 62 + 41 + 64 = 391$

Charu = $64 + 78 + 74 + 55 + 25 + 53 = 349$

Deepak = $65 + 62 + 69 + 70 + 40 + 50 = 356$

Garima = $92 + 82 + 81 + 49 + 30 + 61 = 395$

Vishal = $55 + 70 + 65 + 44 + 28 + 30 = 292$

Question 33

What is the percentage of Deepak's marks (upto two digits after decimal) in all the subjects together?

A 88.63

B 77.38

C 67.83

D 62.83

E 71.20

Answer: E

Explanation:

Deepak's marks in all the subjects together

= $65 + 62 + 69 + 70 + 40 + 50 = 356$

Max marks in all the subjects

= $100 + 100 + 100 + 75 + 50 + 75 = 500$

=> Required % = $\frac{356}{500} \times 100$

= $\frac{356}{5} = 71.20\%$

Question 34

Marks obtained by Charu in Hindi are what percent of marks (upto two digits after decimal) obtained by Anupama in the same subject?

A 75.92

B 78.38

C 77.29

D 75.29

E 72.83

Answer: D

Explanation:

Marks obtained by Charu in Hindi = 64

Marks obtained by Anupama in Hindi = 85

$$\Rightarrow \text{Required \%} = \frac{64}{85} \times 100$$

$$= 75.29 \%$$

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Question 35

What are the average marks obtained by all the students together in Science ?

A 55.75

B 57.5

C 60

D 59.5

E 58

Answer: B

Explanation:

Marks obtained by Bhaskar in Science = 62

Total marks obtained by all the students together in Science

$$= 65 + 62 + 55 + 70 + 49 + 44 = 345$$

$$\Rightarrow \text{Required average} = \frac{345}{6}$$

$$= 57.5$$

Instructions

For the following questions answer them individually

Question 36

A is four times efficient as B. B started the work and after 6 days, A joined him. If the whole work was completed in 12 days, in how many days A alone can finish the whole piece of work ?

A 10

B 9

C 8

D 12

E 6

Answer: B

Explanation:

Let work = 1 units

Let time taken by A to complete the work = x days

$$\Rightarrow \text{Time taken by B} = 4x \text{ days}$$

Acc to ques,

$$\Rightarrow \frac{12}{4x} + \frac{6}{x} = 1$$

$$\Rightarrow \frac{6}{x} (2 + 1) = 1$$

$$\Rightarrow \frac{3}{2} = \frac{x}{6}$$

$$\Rightarrow x = \frac{3}{2} \times 6$$

$$\Rightarrow x = 9 \text{ days}$$

Question 37

At present, Ami's age is twice Dio's age and Cami is two years older than Ami. Two years ago, the respective ratio between Dio's age at that time and Cami's age at that time was 4 : 9. What will be Ami's age four years hence ?

- A 40 years
- B 30 years
- C 42 years
- D 36 years
- E 48 years

Answer: A

Explanation:

Let Ami, Dio and Cami's ages be A, D and C.

$$A = 2D$$

$$C = A + 2$$

$$C - 2 = A = 2D$$

$$D - 2 : C - 2 = 4 : 9$$

$$D - 2 : 2D = 4 : 9$$

$$9(D - 2) = 8D$$

$$9D - 18 = 8D$$

$$D = 18$$

$$D = 18$$

$$A = 36$$

4 years hence Ami's age will be 40.

Option A is the correct answer.

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Question 38

The cost of 4 cell phones and 7 digital cameras is Rs 1,25,627. what is the cost of 8 cellphones and 14 digital cameras.

- A 251254
- B 252627
- C 225524
- D Cannot determined
- E None of these

Answer: A

Explanation:

Let cost of 1 cell phone = Rs. x and 1 digital camera = Rs. y

$$\Rightarrow 4x + 7y = 1,25,627$$

Multiplying both sides by 2, we get :

$$\Rightarrow 8x + 14y = 125627 \times 2 = 251254$$

∴ Cost of 8 cellphones and 14 digital cameras = Rs. 2,51,254

Question 39

The area of a rectangle is equal to the area of a square whose diagonal is $12\sqrt{6}$ metre. The difference between the length and the breadth of the rectangle is 6 metre. What is the perimeter of rectangle ? (in metre).

- A 160 metre
- B 80 metre
- C 82 metre
- D 84 metre
- E None of these

Answer: D

Explanation:

Diagonal of square = $12\sqrt{6}$ m

=> Side of the square = $\frac{\text{diagonal}}{\sqrt{2}} = \frac{12\sqrt{6}}{\sqrt{2}} = 12\sqrt{3}$ m

=> Area of square = $(12\sqrt{3})^2 = 432m^2$

Let length and breadth of the rectangle be l and b

=> Area of rectangle = $lb = 432$

and $l - b = 6$

Solving above equations, we get $l = 24$ and $b = 18$

∴ Perimeter of rectangle = $2(l + b) = 2(24 + 18)$

= $2 \times 42 = 84$ m

Question 40

Mr. Madhur deposits an amount of Rs. 58,750/- to obtain a simple interest at the rate of 12 p.c.p.a:for years. What total amount will Mr. Madhur get at the end of 4 years?

- A Rs. 91,230/-
- B Rs. 86,950/-
- C Rs. 74,760/-
- D Rs. 69,540/-
- E None of These

Answer: B

Explanation:

Principal amount = Rs. 58,750

Rate of interest = 12% and time period = 4 years

Simple interest = $\frac{58750 \times 12 \times 4}{100}$

= Rs. 28,200

Total amount Mr. Madhur will get = $58750 + 28200$

= Rs. 86,950

Reasoning

Instructions

Study the following information carefully and answer the questions given below :

Eight persons – J, K, L, M, W, X, Y and Z – are standing in a straight line, but not necessarily in the same order. Some of them are facing north while some others are facing south. J is standing at the fourth position to the right of X. X is standing at one of the extreme ends of the line. Both the immediate neighbours of J face north. M is standing at the third position to the right of J. M is facing the same direction as that of J. There is only one person between M and L. L is standing at the third position to the right of Y. Z is standing to the immediate left of L. K is not facing north. Z is facing the same direction as that of W. K is not standing at any of the extreme ends of the line.

Question 41

Who among the following are facing South ?

- A M, J, Y
- B J, K, M, X
- C J, K, M, X, Y
- D J, M, X, Y
- E K, M, X, Y

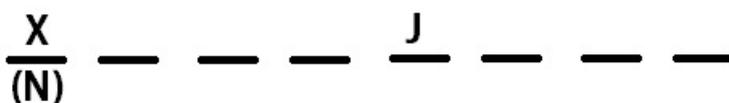
Answer: C

Explanation:

X is at one of the ends. J is fourth to the right of X.

Now this presents 2 scenarios, one where X is facing north and the other where X is facing south.

Considering the scenario where X is facing North :-



Each of the neighbors of J are facing North.

Now J can be facing either north or south. Lets first consider the case when J is facing north.

Now M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y, thus :-

$$\frac{X}{(N)} \quad \text{---} \quad \frac{Y}{(N)} \quad \text{---} \quad \frac{J}{(N)} \quad \frac{L}{(N)} \quad \text{---} \quad \frac{M}{(N)}$$

Now Z has to stand to the immediate left of L, hence this case is rejected.

Now let's consider the case where J is facing south :-

Again M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y. Also Z is standing to the immediate left of L. Thus :-

$$\frac{X}{(N)} \quad \frac{M}{(S)} \quad \frac{Z}{\text{---}} \quad \frac{L}{(N)} \quad \frac{J}{(S)} \quad \text{---} \quad \frac{Y}{(S)} \quad \text{---}$$

Now since K is neither facing north, nor standing at the end, this case too is rejected.

Considering the case where X is facing south :-

$$\text{---} \quad \text{---} \quad \frac{\text{---}}{(N)} \quad \frac{J}{\text{---}} \quad \frac{\text{---}}{(N)} \quad \text{---} \quad \text{---} \quad \frac{X}{(S)}$$

Again J can either face North or South.

Considering the case when J is facing North :-

M is facing in the same direction as J and is standing third to the right of J. L is one place away from M.

— — $\frac{\text{J}}{\text{(N)}}$ $\frac{\text{L}}{\text{(N)}}$ — $\frac{\text{M}}{\text{(N)}}$ $\frac{\text{X}}{\text{(S)}}$

In this case, Z can't stand to the left of L. Hence, this case is rejected.

The only remaining possibility is that J is facing South.
Following all the conditions, the final arrangement looks like :-

$\frac{\text{M}}{\text{(S)}}$ $\frac{\text{Z}}{\text{(N)}}$ $\frac{\text{L}}{\text{(N)}}$ $\frac{\text{J}}{\text{(S)}}$ $\frac{\text{W}}{\text{(N)}}$ $\frac{\text{Y}}{\text{(S)}}$ $\frac{\text{K}}{\text{(S)}}$ $\frac{\text{X}}{\text{(S)}}$

For this question, M,J,Y,K and X are facing south.

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Question 42

How many persons are standing exactly between Y and Z ?

- A Three
- B Four
- C Two
- D Five
- E None of these

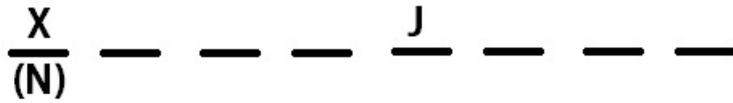
Answer: A

Explanation:

X is at one of the ends. J is fourth to the right of X.

Now this presents 2 scenarios, one where X is facing north and the other where X is facing south.

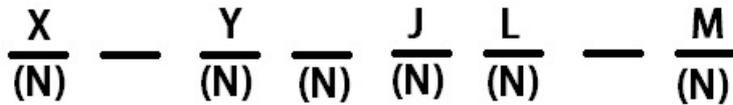
Considering the scenario where X is facing North :-



Each of the neighbors of J are facing North.

Now J can be facing either north or south. Lets first consider the case when J is facing north.

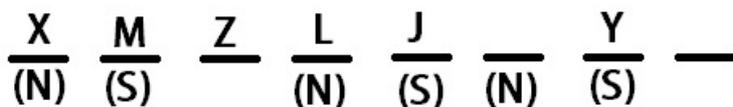
Now M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y, thus :-



Now Z has to stand to the immediate left of L, hence this case is rejected.

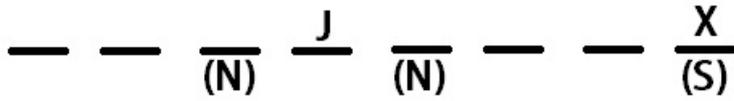
Now lets consider the case where J is facing south :-

Again M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y. Also Z is standing to the immediate left of L. Thus :-



Now since K is neither facing north, nor standing at the end, this case too is rejected.

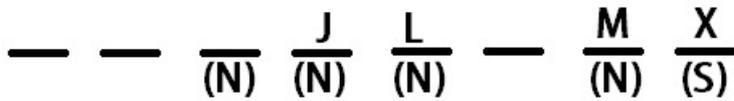
Considering the case where X is facing south :-



Again J can either face North or South.

Considering the case when J is facing North :-

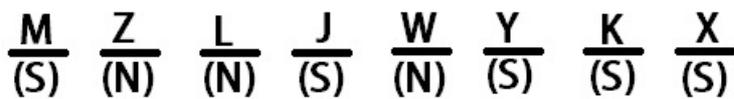
M is facing in the same direction as J and is standing third to the right of J. L is one place away from M.



In this case, Z can't stand to the left of L. Hence, this case is rejected.

The only remaining possibility is that J is facing South.

Following all the conditions, the final arrangement looks like :-



3 people are standing between Y and Z.

Question 43

Who among the following is to the immediate left of W ?

- A K
- B Y
- C L
- D J

E None of these

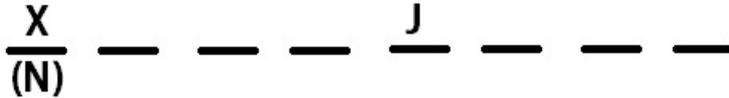
Answer: D

Explanation:

X is at one of the ends. J is fourth to the right of X.

Now this presents 2 scenarios, one where X is facing north and the other where X is facing south.

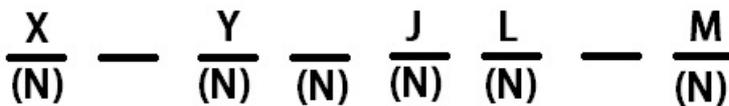
Considering the scenario where X is facing North :-



Each of the neighbors of J are facing North.

Now J can be facing either north or south. Lets first consider the case when J is facing north.

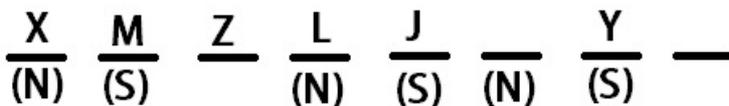
Now M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y, thus :-



Now Z has to stand to the immediate left of L, hence this case is rejected.

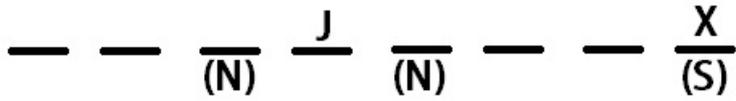
Now lets consider the case where J is facing south :-

Again M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y. Also Z is standing to the immediate left of L. Thus :-



Now since K is neither facing north, nor standing at the end, this case too is rejected.

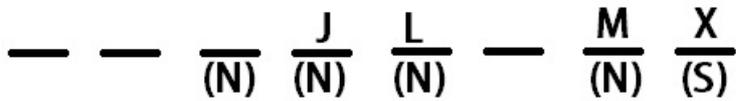
Considering the case where X is facing south :-



Again J can either face North or South.

Considering the case when J is facing North :-

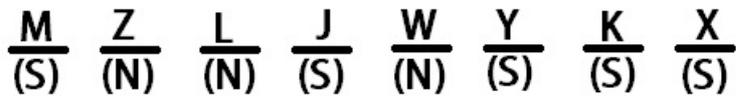
M is facing in the same direction as J and is standing third to the right of J. L is one place away from M.



In this case, Z can't stand to the left of L. Hence, this case is rejected.

The only remaining possibility is that J is facing South.

Following all the conditions, the final arrangement looks like :-



J is standing to the immediate left of W.

Question 44

Four of the following five are alike in a certain way based on the above arrangement and hence form a group. Which is the one that does not belong to the group ?

A M

B J

C L

D Y

E X

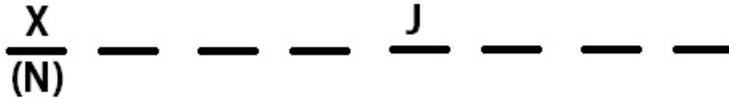
Answer: C

Explanation:

X is at one of the ends. J is fourth to the right of X.

Now this presents 2 scenarios, one where X is facing north and the other where X is facing south.

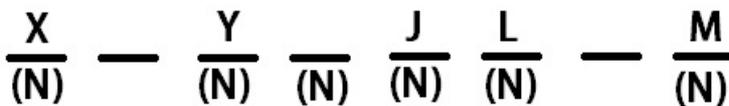
Considering the scenario where X is facing North :-



Each of the neighbors of J are facing North.

Now J can be facing either north or south. Lets first consider the case when J is facing north.

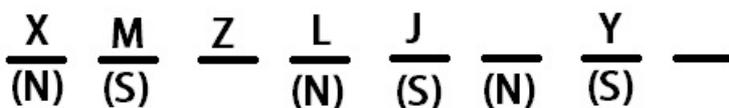
Now M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y, thus :-



Now Z has to stand to the immediate left of L, hence this case is rejected.

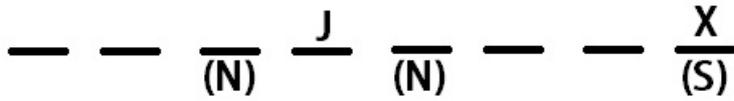
Now lets consider the case where J is facing south :-

Again M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y. Also Z is standing to the immediate left of L. Thus :-



Now since K is neither facing north, nor standing at the end, this case too is rejected.

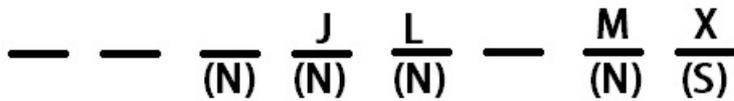
Considering the case where X is facing south :-



Again J can either face North or South.

Considering the case when J is facing North :-

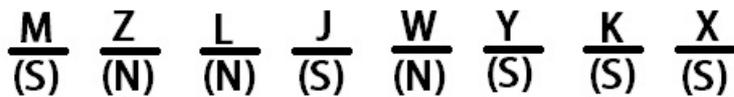
M is facing in the same direction as J and is standing third to the right of J. L is one place away from M.



In this case, Z can't stand to the left of L. Hence, this case is rejected.

The only remaining possibility is that J is facing South.

Following all the conditions, the final arrangement looks like :-



M, J, Y and X face South. L is the only one among the given options facing North.

Question 45

Who among the following is standing at one of the ends excluding X?

A Z

B M

C W

D Y

E L

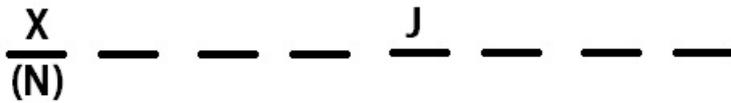
Answer: B

Explanation:

X is at one of the ends. J is fourth to the right of X.

Now this presents 2 scenarios, one where X is facing north and the other where X is facing south.

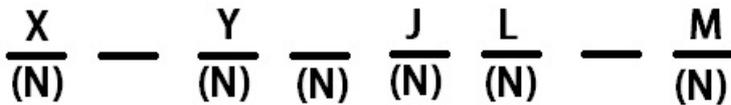
Considering the scenario where X is facing North :-



Each of the neighbors of J are facing North.

Now J can be facing either north or south. Lets first consider the case when J is facing north.

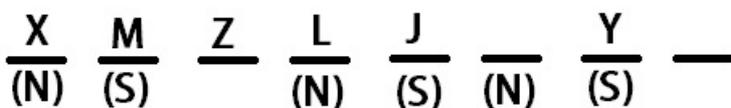
Now M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y, thus :-



Now Z has to stand to the immediate left of L, hence this case is rejected.

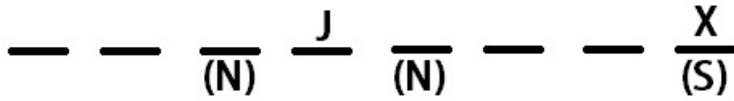
Now lets consider the case where J is facing south :-

Again M is facing in the same direction as J and is standing third to the right of J. L is one place away from M. L is also at the third position from the right of Y. Also Z is standing to the immediate left of L. Thus :-



Now since K is neither facing north, nor standing at the end, this case too is rejected.

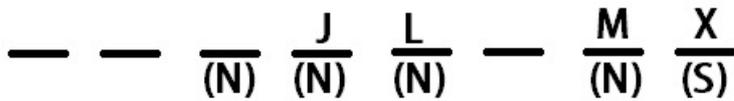
Considering the case where X is facing south :-



Again J can either face North or South.

Considering the case when J is facing North :-

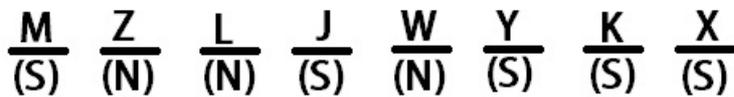
M is facing in the same direction as J and is standing third to the right of J. L is one place away from M.



In this case, Z can't stand to the left of L. Hence, this case is rejected.

The only remaining possibility is that J is facing South.

Following all the conditions, the final arrangement looks like :-



M is standing at one of the ends.

Instructions

In each question below are two or three statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give answer a: if only conclusion I follows.

Give answer b: if only conclusion II follows.

Give answer c: if either conclusion I or II follows.
Give answer d: if neither conclusion I or II follows.
Give answer e: if both conclusions I and II follow

Question 46

Statements :

Some perfumes are scents.

No scent is a bar.

No perfume is a can.

Conclusions :

I. All scents can never be cans.

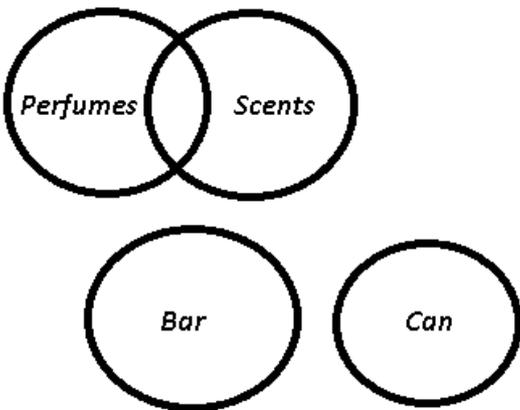
II. Some bars are cans.

- A if only conclusion I follows.
- B if only conclusion II follows.
- C if either conclusion I or II follows.
- D if neither conclusion I or II follows.
- E if both conclusions I and II follow

Answer: A

Explanation:

The venn diagram for above statements is :



Conclusions :

I. All scents can never be cans = true

II. Some bars are cans = false

Thus, only conclusion I follows.

=> Ans - (A)

Question 47

Statements :

Some perfumes are scents.

No scent is a bar.

No perfume is a can.

Conclusions :

I. Some cans are scents.

II. Some bars are perfumes.

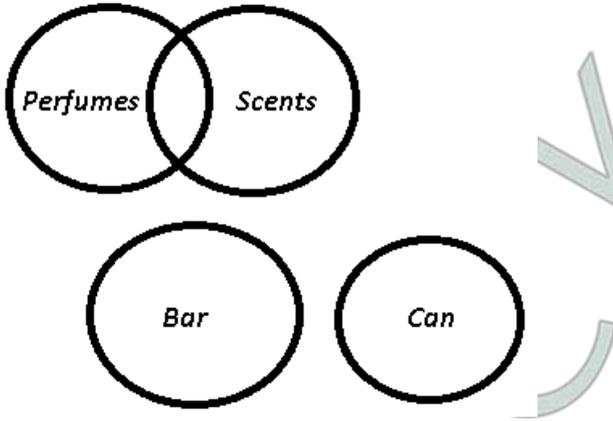
- A if only conclusion I follows.
- B if only conclusion II follows.

- C if either conclusion I or II follows.
- D if neither conclusion I or II follows.
- E if both conclusions I and II follow

Answer: D

Explanation:

The venn diagram for above statements is :



Conclusions :

- I. Some cans are scents = false
- II. Some bars are perfumes = false

Thus, neither conclusion I or II follows.

=> Ans - (D)

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Question 48

Statements :

- No shop is a factory.
- Some factories are industries.
- All industries are machines.

Conclusions :

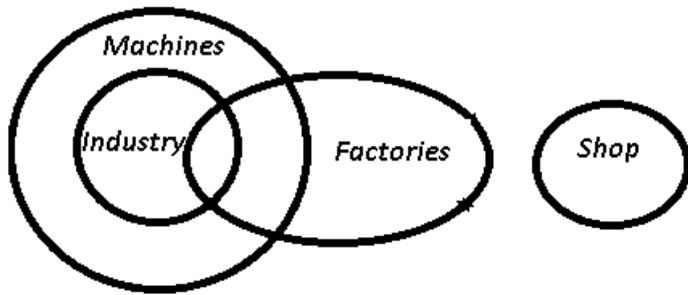
- I. No industry is a shop.
- II. At least some machines are factories

- A if only conclusion I follows.
- B if only conclusion II follows.
- C if either conclusion I or II follows.
- D if neither conclusion I or II follows.
- E if both conclusions I and II follow

Answer: B

Explanation:

The venn diagram for above statements is :



Conclusions :

I. No industry is a shop = false

II. At least some machines are factories = true

Thus, only conclusion II follows.

=> Ans - (B)

Instructions

Study the following information carefully and answer the questions given below :

P, Q, R, S, T, V and W study in Standard IV, V and VI with at least two in any of these Standards. Each one of them has a favourite (likes) colour, viz. black, red, yellow, green, white, blue and pink not necessarily in the same order. Q likes yellow and does not study in Standard VI. The one who likes black studies in the same Standard as T. R likes blue and studies in the same Standard as W. S studies in Standard V only with the one who likes pink. W does not study either in Standard V or VI. V does not like black. W does not like either green or white. S does not like green. T does not like pink.

Question 49

Who likes white ?

- A P
- B W
- C S
- D V
- E None of these

Answer: C

Explanation:

Q likes yellow and does not study in Standard VI and S studies in Standard V only with the one who likes pink, => Q studies in IV class.

W does not study either in Standard V or VI, => W studies in IV standard.

R likes blue and studies in the same Standard as W, => R along with Q and W studies in IV standard. Thus, only two students studies in each of V and VI standard.

The one who likes black studies in the same Standard as T, => T studies in VI standard

V does not like black, => P likes black and studies in VI standard and thus V studies in V class and likes pink.

W does not like either green or white and S does not like green, => T likes green and S likes white.

Students	Class	Color
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

S likes white.

=> Ans - (C)

Question 50

Which of the following combinations is correct ?

- A P - Black - V
- B S - White - IV
- C Q - Red - IV
- D R - Blue - IV
- E All are correct

Answer: D

Explanation:

Q likes yellow and does not study in Standard VI and S studies in Standard V only with the one who likes pink, => Q studies in IV class.

W does not study either in Standard V or VI, => W studies in IV standard.

R likes blue and studies in the same Standard as W, => R along with Q and W studies in IV standard. Thus, only two students studies in each of V and VI standard.

The one who likes black studies in the same Standard as T, => T studies in VI standard

V does not like black, => P likes black and studies in VI standard and thus V studies in V class and likes pink.

W does not like either green or white and S does not like green, => T likes green and S likes white.

Students	Class	Color
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

The only correct combination is that R studies in IV class and likes blue.

=> Ans - (D)

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Question 51

What is P's favourite colour ?

- A Red
- B Black
- C White
- D Black or White
- E None of these

Answer: B

Explanation:

Q likes yellow and does not study in Standard VI and S studies in Standard V only with the one who likes pink, => Q studies in IV class.

W does not study either in Standard V or VI, => W studies in IV standard.

R likes blue and studies in the same Standard as W, => R along with Q and W studies in IV standard. Thus, only two students studies in each of V and VI standard.

The one who likes black studies in the same Standard as T, => T studies in VI standard

V does not like black, => P likes black and studies in VI standard and thus V studies in V class and likes pink.

W does not like either green or white and S does not like green, => T likes green and S likes white.

Students	Class	Color
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

P's favorite color is black.

=> Ans - (B)

Question 52

Which of the following students study in Standard IV ?

- A QR
- B QW
- C QRS
- D QRW
- E None of these

Answer: D

Explanation:

Q likes yellow and does not study in Standard VI and S studies in Standard V only with the one who likes pink, => Q studies in IV class.

W does not study either in Standard V or VI, => W studies in IV standard.

R likes blue and studies in the same Standard as W, => R along with Q and W studies in IV standard. Thus, only two students studies in each of V and VI standard.

The one who likes black studies in the same Standard as T, => T studies in VI standard

V does not like black, => P likes black and studies in VI standard and thus V studies in V class and likes pink.

W does not like either green or white and S does not like green, => T likes green and S likes white.

Students	Class	Color
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

Q, R and W study in standard IV.

=> Ans - (D)

Question 53

Who likes red ?

- A W
- B S
- C P
- D Data inadequate
- E None of these

Answer: A

Explanation:

Q likes yellow and does not study in Standard VI and S studies in Standard V only with the one who likes pink, => Q studies in IV class.

W does not study either in Standard V or VI, => W studies in IV standard.

R likes blue and studies in the same Standard as W, => R along with Q and W studies in IV standard. Thus, only two students studies in each of V and VI standard.

The one who likes black studies in the same Standard as T, => T studies in VI standard

V does not like black, => P likes black and studies in VI standard and thus V studies in V class and likes pink.

W does not like either green or white and S does not like green, => T likes green and S likes white.

Students	Class	Color
P	VI	Black
Q	IV	Yellow
R	IV	Blue
S	V	White
T	VI	Green
V	V	Pink
W	IV	Red

W likes red.

=> Ans - (A)

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Instructions

Study the following information to answer the given questions:

In a certain code,

'weapons hidden in town' is written as 'white black yellow red',

'ready weapons for attack' is written as 'grey indigo red green',

'hidden for own safety' is written as 'silver grey violet white' and

'own town under attack' is written as 'violet blue indigo black'

Question 54

What is the code for 'ready' ?

- A red
- B indigo
- C green
- D grey
- E Cannot be determined

Answer: C

Explanation:

The common word in first two statements is '*weapons*' coded as = 'red'

The common word in first and third statements is '*hidden*' coded as = 'white'

The common word in first and last statements is '*town*' coded as = 'black'

=> Only word left in first statement is '*in*' coded as = 'yellow'

The common word in second and third statements is '*for*' coded as = 'grey'

The common word in second and last statements is '*attack*' coded as = 'indigo'

=> Only word left in second statement is '*ready*' coded as = 'green'

The common word in last two statements is '*own*' coded as = 'violet'

=> Only word left in third statement is '*safety*' coded as = 'silver'

Similarly, only word left in last statement is '*under*' coded as = 'blue'

Thus, the code for 'ready' = **green**

=> Ans - (C)

Question 55

What does 'silver' stand for ?

- A safety
- B own
- C hidden
- D for
- E Either own or for

Answer: A

Explanation:

The common word in first two statements is '*weapons*' coded as = 'red'

The common word in first and third statements is '*hidden*' coded as = 'white'

The common word in first and last statements is '*town*' coded as = 'black'

=> Only word left in first statement is '*in*' coded as = 'yellow'

The common word in second and third statements is '*for*' coded as = 'grey'

The common word in second and last statements is '*attack*' coded as = 'indigo'

=> Only word left in second statement is '*ready*' coded as = 'green'

The common word in last two statements is '*own*' coded as = 'violet'

=> Only word left in third statement is '*safety*' coded as = 'silver'

Similarly, only word left in last statement is '*under*' coded as = 'blue'

Thus, 'silver' stands for = **safety**

=> Ans - (A)

Question 56

'black pink yellow' could be a code for which of the following ?

A town under attack

B hidden for safety

C attack in town

D my own town

E risk in town

Answer: E

Explanation:

The common word in first two statements is '*weapons*' coded as = 'red'

The common word in first and third statements is '*hidden*' coded as = 'white'

The common word in first and last statements is '*town*' coded as = 'black'

=> Only word left in first statement is '*in*' coded as = 'yellow'

The common word in second and third statements is '*for*' coded as = 'grey'

The common word in second and last statements is '*attack*' coded as = 'indigo'

=> Only word left in second statement is '*ready*' coded as = 'green'

The common word in last two statements is '*own*' coded as = 'violet'

=> Only word left in third statement is '*safety*' coded as = 'silver'

Similarly, only word left in last statement is '*under*' coded as = 'blue'

Thus, 'black pink yellow' could be a code for = **risk in town**

=> Ans - (E)

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Question 57

What is the code for 'attack' ?

- A grey
- B indigo
- C white
- D violet
- E blue

Answer: B

Explanation:

The common word in first two statements is '*weapons*' coded as = 'red'

The common word in first and third statements is '*hidden*' coded as = 'white'

The common word in first and last statements is '*town*' coded as = 'black'

=> Only word left in first statement is '*in*' coded as = 'yellow'

The common word in second and third statements is '*for*' coded as = 'grey'

The common word in second and last statements is '*attack*' coded as = 'indigo'

=> Only word left in second statement is '*ready*' coded as = 'green'

The common word in last two statements is '*own*' coded as = 'violet'

=> Only word left in third statement is '*safety*' coded as = 'silver'

Similarly, only word left in last statement is '*under*' coded as = 'blue'

Thus, the code for '*attack*' = **indigo**

=> Ans - (B)

Question 58

Which of the following may represent 'all hidden weapons' ?

- A white red orange
- B brown grey red
- C indigo white red
- D red violet white
- E orange brown red

Answer: A

Explanation:

The common word in first two statements is '*weapons*' coded as = 'red'

The common word in first and third statements is '*hidden*' coded as = 'white'

The common word in first and last statements is '*town*' coded as = 'black'

=> Only word left in first statement is '*in*' coded as = 'yellow'

The common word in second and third statements is '*for*' coded as = 'grey'

The common word in second and last statements is '*attack*' coded as = 'indigo'

=> Only word left in second statement is '*ready*' coded as = 'green'

The common word in last two statements is '*own*' coded as = 'violet'

=> Only word left in third statement is '*safety*' coded as = 'silver'

Similarly, only word left in last statement is '*under*' coded as = 'blue'

Thus, 'all hidden weapons' may be represented by = **white red orange**

=> Ans - (A)

Instructions

Study the following information carefully and answer the questions given below :

Seven people N, K, T, B, M, W and R have their weekly offs on different days of the week i.e. Sunday, Monday, Tuesday, Wednesday, Thursday, Friday and Saturday not necessarily in that order. Each of them has a liking for different cuisine i.e. Indian, Italian, Mexican, Chinese, Spanish, Continental and Thai, not necessarily in that order. K likes Thai food and gets his weekly off on Thursday. B likes Italian food and does not have off on Sunday. M has weekly off on Saturday and R has his weekly off on Tuesday. W likes continental food whereas the one who has weekly off on Monday likes Mexican cuisine. T does not like Spanish cuisine and has weekly off on Wednesday. The one who likes Indian food does not have a weekly off on Tuesday or Wednesday.

Question 59

Who has a weekly off on Friday ?

- A T
- B R
- C W
- D Data inadequate
- E None of these

Answer: E

Explanation:

K likes Thai and has weekly off on Thursday. M and R have weekly off on Saturday and Tuesday respectively.

B likes Italian and W likes continental. and T has weekly off on Wednesday.

Since, B does not have weekly off on Sunday, => B has weekly off on Friday.

=> W who likes continental has weekly off on Sunday.

Since, the one who likes Indian does not have weekly off on Tuesday and Wednesday, => The one who likes Indian has weekly off on Saturday and it is M.

Since, T does not like Spanish, => R likes Spanish and T likes Chinese.

The arrangement :

Day	Person	Cuisine
Sunday	W	Continental
Monday	N	Mexican
Tuesday	R	Spanish
Wednesday	T	Chinese
Thursday	K	Thai
Friday	B	Italian
Saturday	M	Indian

B has weekly off on Friday.

=> Ans - (E)

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Question 60

What cuisine does R like?

- A Continental
- B Indian
- C Italian
- D Spanish
- E None of these

Answer: D

Explanation:

K likes Thai and has weekly off on Thursday. M and R have weekly off on Saturday and Tuesday respectively.

B likes Italian and W likes continental. and T has weekly off on Wednesday.

Since, B does not have weekly off on Sunday, => B has weekly off on Friday.

=> W who likes continental has weekly off on Sunday.

Since, the one who likes Indian does not have weekly off on Tuesday and Wednesday, => The one who likes Indian has weekly off on Saturday and it is M.

Since, T does not like Spanish, => R likes Spanish and T likes Chinese.

The arrangement :

Day	Person	Cuisine
Sunday	W	Continental
Monday	N	Mexican
Tuesday	R	Spanish
Wednesday	T	Chinese
Thursday	K	Thai
Friday	B	Italian
Saturday	M	Indian

R likes Spanish cuisine.

=> Ans - (D)

Question 61

On which day N have weekly off?

- A Tuesday
- B Friday
- C Monday
- D Sunday
- E None of these

Answer: C

Explanation:

K likes Thai and has weekly off on Thursday. M and R have weekly off on Saturday and Tuesday respectively.

B likes Italian and W likes continental. and T has weekly off on Wednesday.

Since, B does not have weekly off on Sunday, => B has weekly off on Friday.

=> W who likes continental has weekly off on Sunday.

Since, the one who likes Indian does not have weekly off on Tuesday and Wednesday, => The one who likes Indian has weekly off on Saturday and it is M.

Since, T does not like Spanish, => R likes Spanish and T likes Chinese.

The arrangement :

Day	Person	Cuisine
Sunday	W	Continental
Monday	N	Mexican
Tuesday	R	Spanish
Wednesday	T	Chinese
Thursday	K	Thai
Friday	B	Italian
Saturday	M	Indian

N has weekly off on Monday.

=> Ans - (C)

Question 62

Who likes Chinese cuisine?

- A T
- B B
- C R
- D N
- E None of these

Answer: A

Explanation:

K likes Thai and has weekly off on Thursday. M and R have weekly off on Saturday and Tuesday respectively.

B likes Italian and W likes continental. and T has weekly off on Wednesday.

Since, B does not have weekly off on Sunday, => B has weekly off on Friday.

=> W who likes continental has weekly off on Sunday.

Since, the one who likes Indian does not have weekly off on Tuesday and Wednesday, => The one who likes Indian has weekly off on Saturday and it is M.

Since, T does not like Spanish, => R likes Spanish and T likes Chinese.

The arrangement :

Day	Person	Cuisine
Sunday	W	Continental
Monday	N	Mexican
Tuesday	R	Spanish
Wednesday	T	Chinese
Thursday	K	Thai
Friday	B	Italian
Saturday	M	Indian

T likes Chinese cuisine.

=> Ans - (A)

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Question 63

On which day does W have weekly off?

- A Monday
- B Sunday
- C Wednesday
- D Data inadequate
- E None of these

Answer: B

Explanation:

K likes Thai and has weekly off on Thursday. M and R have weekly off on Saturday and Tuesday respectively.

B likes Italian and W likes continental. and T has weekly off on Wednesday.

Since, B does not have weekly off on Sunday, => B has weekly off on Friday.

=> W who likes continental has weekly off on Sunday.

Since, the one who likes Indian does not have weekly off on Tuesday and Wednesday, => The one who likes Indian has weekly off on Saturday and it is M.

Since, T does not like Spanish, => R likes Spanish and T likes Chinese.

The arrangement :

Day	Person	Cuisine
Sunday	W	Continental
Monday	N	Mexican
Tuesday	R	Spanish
Wednesday	T	Chinese
Thursday	K	Thai
Friday	B	Italian
Saturday	M	Indian

W has weekly off on Sunday.

=> Ans - (B)

Instructions

For the following questions answer them individually

Question 64

If it is possible to make only one meaningful word with the second, the fifth, the seventh and the tenth letters of the word OMNISCIENT, which of the following will be the third letter of that word? If no such word can be made, give 'J' as the answer and if more than one such word can be made, give 'Q' as the answer.

- A J
- B Q
- C I

D M

E S

Answer: E

Explanation:

Word - OMNISCIENT

2nd, 5th, 7th and 10th letters = M, S, I, T

Meaningful word that can be formed = Mist

=> 3rd letter = S

=> Ans - (E)

Question 65

If in the word EQUALITY, the positions of first and the fifth letters are interchanged, similarly the positions of the second and the sixth letters are interchanged and so on, which letters will be third from the right end ?

A Q

B U

C I

D T

E None of these

Answer: A

Explanation:

Word - EQUALITY

If the positions of first and the fifth letters are interchanged, similarly the positions of the second and the sixth letters are interchanged and so on, then word - LITYEQUA

3rd letter from right end = Q

=> Ans - (A)

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Instructions

Following questions are based on five words given below ;

WIT BAR URN ELF TOP

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words)

Question 66

If in each of the given words, each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series, in how many words thus formed will no vowels appear?

A None

B One

C Two

D Three

E More than three

Answer: C

Explanation:

Words : WIT , BAR , URN , ELF , TOP

If each of the consonants is changed to previous letter and each vowel is changed to next letter in the English alphabetical series,

=> New words : VJS , ABQ , VQM , FKE , SPO

Thus, there are two words which have no vowels = VJS , VQM

=> Ans - (C)

Instructions

Study the following information carefully and answer the questions given below :

Seven persons – Q, U, V and W – are seated in a straight line facing north but not necessarily in the same order. R is fourth to the left of W. S is to the immediate right of W. V is second to the left of T. U and R immediate neighbours.

Question 67

Who among the following is seated exactly in the middle ?

- A T
- B Q
- C V
- D R
- E None of these

Answer: B

Explanation:

R is fourth to the left of W and S is to the immediate right of W

U and R are immediate neighbours, => U is to the immediate left of R.

V is second to the left of T, => V is to the immediate right of R and T is to the immediate left of W.

Thus, the remaining person Q sits to the only vacant seat that is to the immediate right of V.

U	R	V	Q	T	W	S
---	---	---	---	---	---	---

Clearly, Q is seated exactly in the middle.

=> Ans - (B)

Question 68

How many persons are seated between W and R ?

- A None
- B One
- C Two
- D Three
- E More than three

Answer: D

Explanation:

R is fourth to the left of W and S is to the immediate right of W

U and R are immediate neighbours, => U is to the immediate left of R.

V is second to the left of T, => V is to the immediate right of R and T is to the immediate left of W.

Thus, the remaining person Q sits to the only vacant seat that is to the immediate right of V.

U	R	V	Q	T	W	S
---	---	---	---	---	---	---

There are 3 persons who are seated between W and R.

=> Ans - (D)

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Question 69

Which of the following represents persons seated at the two extreme ends ?

- A U and S
- B U and W
- C R and S
- D R and W
- E None of these

Answer: A

Explanation:

R is fourth to the left of W and S is to the immediate right of W

U and R are immediate neighbours, => U is to the immediate left of R.

V is second to the left of T, => V is to the immediate right of R and T is to the immediate left of W.

Thus, the remaining person Q sits to the only vacant seat that is to the immediate right of V.

U	R	V	Q	T	W	S
---	---	---	---	---	---	---

U and S are sitting at the extreme ends.

=> Ans - (A)

Question 70

What is Q's position with respect to S ?

- A Third to the right
- B Second to the left
- C Third to the left
- D Second to the right
- E None of these

Answer: C

Explanation:

R is fourth to the left of W and S is to the immediate right of W

U and R are immediate neighbours, => U is to the immediate left of R.

V is second to the left of T, => V is to the immediate right of R and T is to the immediate left of W.

Thus, the remaining person Q sits to the only vacant seat that is to the immediate right of V.

U	R	V	Q	T	W	S
---	---	---	---	---	---	---

Q is third to the left of S.

=> Ans - (C)

Question 71

Four of the following five are alike in a certain way based on their seating position in the above arrangement and so form a group. Which is the one that does not belong to the group ?

- A RV
- B QT
- C WS
- D VQ
- E WT

Answer: E

Explanation:

R is fourth to the left of W and S is to the immediate right of W

U and R are immediate neighbours, => U is to the immediate left of R.

V is second to the left of T, => V is to the immediate right of R and T is to the immediate left of W.

Thus, the remaining person Q sits to the only vacant seat that is to the immediate right of V.

U	R	V	Q	T	W	S
---	---	---	---	---	---	---

Apart from WT, in all the other options, the first person is to the immediate left of the second person.

=> Ans - (E)

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Instructions

These questions are based on the five three digit numbers given below :

346 815 428 271 732

Question 72

If '1' is added to the first digit of every number and '1' is subtracted from the third digit of every number, in how many numbers thus formed will the difference between first and third digits be more than 5 ?

- A Two
- B None
- C Four
- D Three
- E One

Answer: E

Explanation:

Series : 346 815 428 271 732

If '1' is added to the first digit of every number and '1' is subtracted from the third digit of every number, new numbers

$$346 \rightarrow 445 = 5 - 4 = 1$$

$$815 \rightarrow 914 = 9 - 4 = 5$$

$$428 \rightarrow 527 = 7 - 5 = 2$$

$$271 \rightarrow 370 = 3 - 0 = 3$$

$$732 \rightarrow 831 = 8 - 1 = 7 \text{ (difference more than 5)}$$

=> Ans - (E)

Question 73

If all the numbers are arranged in ascending order from left to right, which of the following will be resultant if first and third digits of the number which is second from the right are multiplied ?

A 18

B 14

C 40

D 24

E 32

Answer: B

Explanation:

Series : 346 815 428 271 732

If all the numbers are arranged in ascending order from left to right, new order :

271 , 346 , 428 , 732 , 815

Product of first and third digits of the number which is second from the right = 732 = $7 \times 2 = 14$

=> Ans - (B)

Question 74

If '2' is added to the second digit of every even number and '1' is subtracted from the first digit of every odd number, in how many numbers will a digit appear twice ?

A Three

B Two

C Four

D One

E None

Answer: A

Explanation:

Series : 346 815 428 271 732

If '2' is added to the second digit of every even number and '1' is subtracted from the first digit of every odd number, new numbers :

$$346 \rightarrow 366$$

$$815 \rightarrow 715$$

$$428 \rightarrow 448$$

$$271 \rightarrow 171$$

$$732 \rightarrow 752$$

In 3 numbers, (6,4,1) appear twice.

=> Ans - (A)

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Question 75

If in each number all the digits are arranged in descending order within the number, how many numbers thus formed will be odd numbers ?

- A One
- B Four
- C None
- D Three
- E Two

Answer: D

Explanation:

Series : 346 815 428 271 732

If in each number all the digits are arranged in descending order within the number, new numbers :

643 , 851 , 842 , 721 , 732

Thus, there are 3 odd numbers.

=> Ans - (D)

Instructions

Study the following information carefully and answer the given questions

Six friends L, M, N, O, P and Q work in three different cities namely Chennai, Pune and Nashik. (not more than two work in a single city) Each of them has a different profession i.e. banker software engineer, lawyer lecturer doctor and Psychologist but not necessarily in the same order. O works in Chennai and is not a lecturer M is a banker by profession and works in Pune with only Q who is a software engineer by profession N works in Nashik and is not a lawyer by profession. P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

Question 76

Which of the following is true for L ?

- A L is lecturer by profession
- B L works in the same place as N
- C L is neither a lecturer nor a lawyer by profession
- D L works in pune
- E None of these

Answer: A

Explanation:

The given data is:

O works in chennai and is not a lecturer M is a banker by profession and works in pune with only Q who is a software engineer by profession N works in Nashik and is not a lawyer by profession. P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

In tabular format, this can be interpreted as:

Lecturer	L	Chennai
Banker	M	Pune
Psychologist	N	Nashik
Lawyer	O	Chennai
Doctor	P	Nashik
Software	Q	Pune

Now, L is lecturer by profession. All other conclusions are incorrect.

Question 77

Which two people work in Nashik?

- A L and N
- B N and P
- C L and Q
- D N and O
- E Cannot be determined

Answer: B

Explanation:

The given data is:

O works in Chennai and is not a lecturer M is a banker by profession and works in Pune with only Q who is a software engineer by profession N works in Nashik and is not a lawyer by profession. P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

In tabular format, this can be interpreted as:

Lecturer	L	Chennai
Banker	M	Pune
Psychologist	N	Nashik
Lawyer	O	Chennai
Doctor	P	Nashik
Software	Q	Pune

N & P work at Nashik.

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Question 78

Which of the following combinations of person place and profession is correct ?

- A Q- Nashik-Psychologist
- B P- Pune- Doctor
- C L-Nashik-Lecturer
- D N-Chennai-Software engineer
- E O-Chennai-Lawyer

Answer: E

Explanation:

The given data is:

O works in chennai and is not a lecturer M is a banker by profession and works in pune with only Q who is a software engineer by profession N works in Nashik and is not a lawyer by profession.P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

In tabular format, this can be intepreted as:

Lecturer	L	Chennai
Banker	M	Pune
Psychologist	N	Nashik
Lawyer	O	Chennai
Doctor	P	Nashik
Software	Q	Pune

Hence, only E represents correct combination.

Question 79

Which of the following is the occupation of N?

- A Software engineer
- B Psychologist
- C Lecturer
- D Lawyer
- E None of these

Answer: B

Explanation:

The given data is:

O works in chennai and is not a lecturer M is a banker by profession and works in pune with only Q who is a software engineer by profession N works in Nashik and is not a lawyer by profession.P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

In tabular format, this can be intepreted as:

Lecturer	L	Chennai
Banker	M	Pune
Psychologist	N	Nashik
Lawyer	O	Chennai
Doctor	P	Nashik
Software	Q	Pune

N is psychologist by profession.

Question 80

Who among the following five is a lawyer by profession among the group of friends ?

- A O
- B L
- C N
- D Q
- E None of these

Answer: A

Explanation:

The question can be solved quickly by creating a table.

But first we have to interpret the following data, works in Chennai and is not a lecturer M is a banker by profession and works in Pune with only Q who is a software Engineer by profession N works in Nashik and is not a lawyer by profession. P is a doctor and does not work in Chennai. The only other person who works in Chennai is a lecturer by profession.

Chennai	L	Lecturer
Pune	M	Banker
Nashik	N	Psychologist
Chennai	O	Lawyer
	P	Doctor
Pune	Q	Software Engineer

Hence, O is the lawyer

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