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Institute of Banking Personnel Selection



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RRB PO Reasoning Sample Paper Pdf Download



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(1) Statements:

I. Importance of Yoga and exercise is being realized by all sections of the society.

II. There is an increasing awareness about health in the society particularly among middle ages group of people.

- [A] Statement I is the cause and statement II is its effect.
[B] Statement II is the cause and statement I is its effect.
[C] Both the statements I and II are independent causes.
[D] Both the statements I and II are effects of independent causes.
[E] Both the statements I and II are effects of some common cause.

Answer : [B]

Explanation: As the awareness about health in the society is increasing particularly among middle-aged group of people, the importance of Yoga and exercise is being realized by all sections of the society.

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(2) Statements:

I. Standard of living among the middle class society is constantly going up since part of few years.

II. Indian Economy is observing remarkable growth.

- [A] Statement I is the cause and statement II is its effect.
[B] Statement II is the cause and statement I is its effect.
[C] Both the statements I and II are independent causes.
[D] Both the statements I and II are effects of independent causes.
[E] Both the statements I and II are effects of some common cause.

Answer : [A]

Explanation: Since the standard of living among the middle class society is constantly going up so Indian Economy is observing remarkable growth.

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(3) Statements:

I. The car manufacturing companies have recently increased the prices of mid-sized cars.

II. The Government recently increased the duty on mid-sized cars.

- [A] Statement I is the cause and statement II is its effect.
[B] Statement II is the cause and statement I is its effect.
[C] Both the statements I and II are independent causes.
[D] Both the statements I and II are effects of independent causes.
[E] Both the statements I and II are effects of some common cause.

Answer : [B]

Explanation: Since the government has recently increased the duty on mid-sized cars, therefore, the car manufacturing companies have recently increased the prices of mid-sized cars.

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(4) Statements:

I. Majority of people residing in the locality have decided to protest against the municipality authority's decision to allow construction of a shopping mall in the locality.

II. Many shopping malls have been opened all over the city in the recent time.

- [A] Statement I is the cause and statement II is its effect.
[B] Statement II is the cause and statement I is its effect.

[C] Both the statements I and II are independent causes.

[D] Both the statements I and II are effects of independent causes.

[E] Both the statements I and II are effects of some common cause.

Answer : [B]

Explanation: Since in the recent time, many shopping malls have been opened all over the city, therefore, majority of the people residing in the locality have decided to protest against the municipality authority's decision to allow construction of a shopping mall in the locality.

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(5) Statements:

I. The university authority has instructed all the colleges under its jurisdiction to ban use of cell phones inside the college premises.

II. Majority of the teachers of the college signed a joint petition to the university complaining the disturbances caused by cell phone ring tones inside the classrooms.

[A] Statement I is the cause and statement II is its effect.

[B] Statement II is the cause and statement I is its effect.

[C] Both the statements I and II are independent causes.

[D] Both the statements I and II are effects of independent causes.

[E] Both the statements I and II are effects of some common cause.

Answer : [B]

Explanation: Since the teachers of the colleges complained to the university about the disturbances caused by cell phone ring-tones inside the classrooms, the university authority has instructed all the colleges under its jurisdiction to ban use of cell phones inside the college premises.

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(6) If A + B means A is the mother of B; A - B means A is the brother of B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

[A] $Q - N + M \times P$

[B] $P + S \times N - Q$

[C] $P - M + N \times Q$

[D] $Q - S \% P$

Answer : [C]

Explanation:

$P - M \rightarrow$ P is the brother of M

$M + N \rightarrow$ M is the mother of N

$N \times Q \rightarrow$ N is the sister of Q

Therefore, P is the maternal uncle of Q.

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(7) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

[A] Brother

[B] Nephew

[C] Uncle

[D] Son-in-law

Answer : [A]

Explanation: The father of the boy's uncle \rightarrow the grandfather of the boy and daughter of the grandfather \rightarrow sister of father.

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(8)

1. A3P means A is the mother of P

- 2. **A4P** means **A** is the brother of **P**
- 3. **A9P** means **A** is the husband of **P**
- 4. **A5P** means **A** is the daughter of **P**

Which of the following means that **K** is the mother-in-law of **M**?

- [A] M9N3K4J
- [B] M9N5K3J
- [C] K5J9M3N
- [D] K3J9N4M

Answer : [B]

Explanation:

M9N → M is the husband of N
N5K → N is the daughter of K
Hence, → M is the son-in-law of K
K3J → K is the mother of J
Hence, → K is a lady
Hence, → K is the mother-in-law of M.

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(9) If **A + B** means **A** is the brother of **B**; **A % B** means **A** is the father of **B** and **A x B** means **A** is the sister of **B**. Which of the following means **M** is the uncle of **P**?

- [A] M % N x P
- [B] N x P % M
- [C] M + S % R % P
- [D] M + K % T x P

Answer : [D]

Explanation:

M + K → M is the brother of K
K % T → K is the father of T
T x P → T is the sister of P
Therefore, K is the father of P and M is the uncle of P.

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(10) Pointing to a boy in the photograph Reena said, "He is the only son of the only child of my grandfather." How Reena is related to that boy?

- [A] Mother
- [B] Sister
- [C] Aunt
- [D] Cannot be determined

Answer : [B]

Explanation:

The boy in the photograph is the only son of Reena's grandfather's only son; i.e., the boy is the only son of Reena's father.
Hence, the boy is the brother of Reena or Reena is the sister of the boy.

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(11) Statements: All the harmoniums are instruments. All the instruments are flutes.

Conclusions:

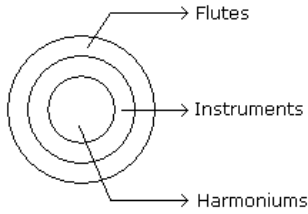
- I. All the flutes are instruments.
- II. All the harmoniums are flutes.

- [A] Only (1) conclusion follows
- [B] Only (2) conclusion follows
- [C] Either (1) or (2) follows

[D] Neither (1) nor (2) follows

[E] Both (1) and (2) follow

Answer : [B]



Explanation: Only (2) follows.

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(12) Statements: No door is dog. All the dogs are cats.

Conclusions:

I. No door is cat.

II. No cat is door.

III. Some cats are dogs.

IV. All the cats are dogs.

[A] Only (2) and (4)

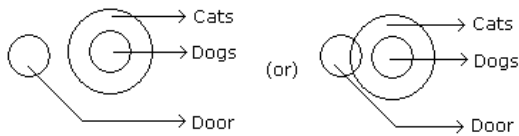
[B] Only (1) and (3)

[C] Only (3) and (4)

[D] Only (3)

[E] All the four

Answer : [D]



Explanation: Only (3) follows.

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(13) Statements: All the goats are tigers. All the tigers are lions.

Conclusions:

I. All the goats are lions.

II. All the lions are goats.

III. Some lions are goats.

IV. Some tigers are goats.

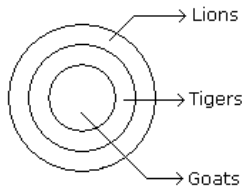
[A] All the four

[B] Only (1), (2) and (3)

[C] Only (1), (3) and (4)

[D] Only (2), (3) and (4)

Answer : [C]



Explanation: Only (1), (3) and (4) follows.

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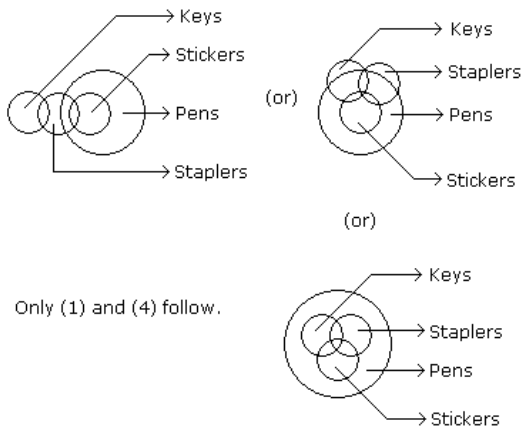
(14) Statements: Some keys are staplers. Some staplers are stickers. All the stickers are pens.

Conclusions:

- I. Some pens are staplers.
- II. Some stickers are keys.
- III. No sticker is key.
- IV. Some staplers are keys.

- [A] Only (1) and (2)
- [B] Only (2) and (4)
- [C] Only (2) and (3)
- [D] Only (1) and (4) and either (2) or (3)

Answer : [D]



Explanation:

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(15) Statements: All the bottles are boxes. All the boxes are bags. Some bags are trays.

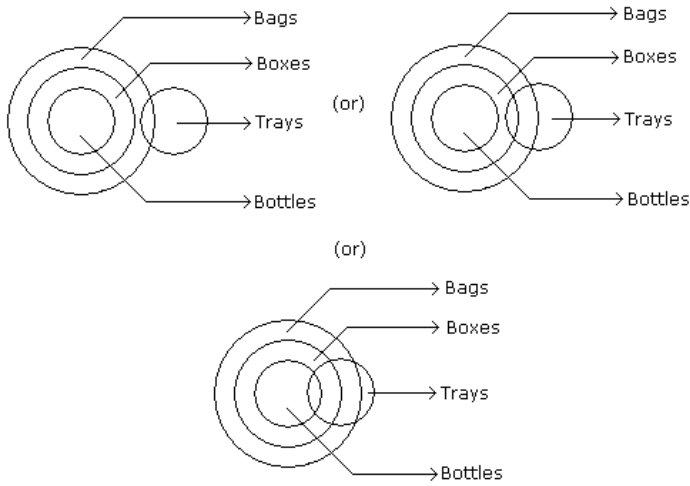
Conclusions:

- I. Some bottles are trays.
- II. Some trays are boxes.
- III. All the bottles are bags.
- IV. Some trays are bags.

- [A] Only (3) and (4)
- [B] Only (1) and (2)
- [C] Only (2) and (3)
- [D] Only (1) and (4)

Answer : [A]

Explanation:



Only (3) and (4) follow.

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(16) A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C to D?

- [A] 2
- [B] 3
- [C] 6
- [D] 12

Answer : [C]

Explanation:

Since B and D are twins, so $B = D$.

Now, $A = B + 3$ and $A = C - 3$.

Thus, $B + 3 = C - 3 \Leftrightarrow D + 3 = C - 3 \Leftrightarrow C - D = 6$.

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(17) In a class, 20% of the members own only two cars each, 40% of the remaining own three cars each and the remaining members own only one car each. Which of the following statements is definitely true from the given statements ?

- [A] Only 20% of the total members own three cars each.
- [B] 48% of the total members own only one car each.
- [C] 60% of the total members own at least two cars each.
- [D] 80% of the total members own at least one car.
- [E] None of these

Answer : [B]

Explanation:

Let total number of members be 100,

Then, number of members owning only 2 cars = 20.

Number of members owning 3 cars = 40% of 80 = 32.

Number of members owning only 1 car = $100 - (20 + 32) = 48$.

Thus, 48% of the total members own one car each.

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(18) In three coloured boxes - Red, Green and Blue, 108 balls are placed. There are twice as many balls in the green and red boxes combined as there are in the blue box and twice as many in the blue box as there are in the red box. How many balls are there in the green box ?

- [A] 18
- [B] 36
- [C] 45
- [D] None of these

Answer : [D]

Explanation:

Let R, G and B represent the number of balls in red, green and blue boxes respectively.

Then, .

$$R + G + B = 108 \dots(i),$$

$$G + R = 2B \dots(ii)$$

$$B = 2R \dots(iii)$$

From (ii) and (iii), we have $G + R = 2 \times 2R = 4R$ or $G = 3R$.

Putting $G = 3R$ and $B = 2R$ in (i), we get:

$$R + 3R + 2R = 108 \Leftrightarrow 6R = 108 \Leftrightarrow R = 18.$$

Therefore Number of balls in green box = $G = 3R = (3 \times 18) = 54$.

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(19) A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly ?

[A] 12

[B] 16

[C] 18

[D] 24

Answer : [B]

Explanation:

Suppose the boy got x sums right and $2x$ sums wrong.

$$\text{Then, } x + 2x = 48 \Leftrightarrow 3x = 48 \Leftrightarrow x = 16.$$

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(20) In a class, $\frac{3}{5}$ of the students are girls and rest are boys. If $\frac{2}{9}$ of the girls and $\frac{1}{4}$ of the boys are absent, what part of the total number of students is present ?

[A] $\frac{17}{25}$

[B] $\frac{18}{49}$

[C] $\frac{23}{30}$

[D] $\frac{23}{36}$

Answer : [C]

Explanation:

$$\text{Girls} = \frac{3}{5}, \text{ Boys} = \left(1 - \frac{3}{5}\right) = \frac{2}{5}.$$

$$\text{Fraction of students absent} = \frac{2}{9} \text{ of } \frac{3}{5} + \frac{1}{4} \text{ of } \frac{2}{5} = \frac{6}{45} + \frac{1}{10} = \frac{21}{90} = \frac{7}{30}.$$

$$\therefore \text{Fraction of students present} = \left(1 - \frac{7}{30}\right) = \frac{23}{30}.$$

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