

RBI Grade B Reasoning Ability Question Paper 2017 - Phase I

Directions (1-5): Study the given information carefully to answer the given questions.

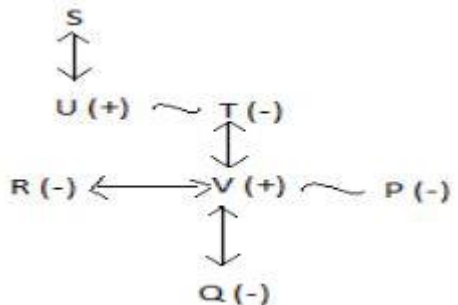
Seven people P, Q, R, S, T, U, and V are related to each other in some or the other way. Each person is of different age, but not necessarily in the same order. (Note: It is assumed that the husband is older than the wife.) T is older than V but younger than U. P is the mother of Q. R is the sister-in-law of P. R is unmarried. T is the daughter-in-law of S. S is the eldest member of the family. U is the father of only R and V. U does not have any siblings. V does not have any son. R is older than V. The third eldest member of the family is 54 years old. The youngest member of the family is 4 years old.

Q 1. If in the given arrangement, $Q + V = 31$, then what is the possible age of R?

1. 27
2. 56
3. 23
4. 59
5. 30

Answer: 5

Solution 1:



$\leftrightarrow$ symbolises 'siblings'

$\updownarrow$ symbolises parents

- Symbolises male
- Symbolises female

$\sim$ symbolises married couples

According to the question, the age of the youngest family member is 4 years. Since Q is the youngest,

$$Q + V = 31$$

$$4 + V = 31$$

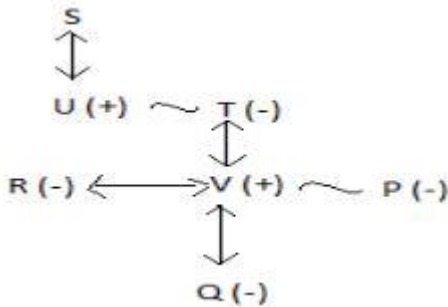
$$V = 31 - 4 = 27 \text{ years}$$

Q 2. If P is 24 years old, what will be the sum of ages of P and T?

1. 28
2. 78
3. 64
4. 49
5. 75

Answer: 2

Solution 2:



↔ symbolises 'siblings'

⇕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

P is 4 years

T is the third eldest member of the family and according to the question, the age of T is 54 years.

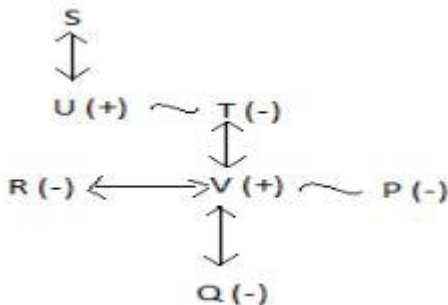
So, sum of ages of T and P = 54 + 24 = 78

Q 3. How is T related to Q?

1. Grandmother
2. Granddaughter
3. Aunt
4. Mother-in-law
5. Mother

Answer:

Solution 3:



↔ symbolises 'siblings'

⇕ symbolises parents

- Symbolises male
- Symbolises female

~ symbolises married couples

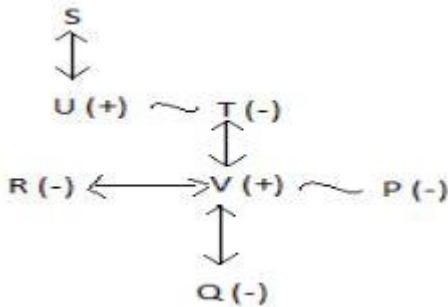
From the above arrangement, T is the grandmother of Q.

Q 4. If M is married to S, then how is S related to R?

1. Grandmother
2. Granddaughter
3. Grandfather
4. Uncle
5. Cannot be determined

Answer: 5

Solution 4:



↔ symbolises 'siblings'

↕ symbolises parents

- Symbolises male
- Symbolises female

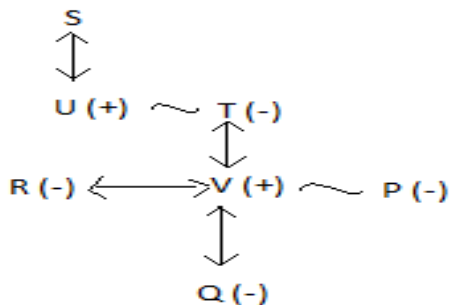
~ symbolises married couples

Q 5. Who amongst the following is/are younger than V?

1. Both P and U
2. Only Q
3. Only P
4. Both P and Q
5. No one

Answer: 4

Solution 5:



↔ symbolises 'siblings'



symbolises parents

- Symbolises male

- Symbolises female
- ~ symbolises married couples

Since it is given in the question that the age of female is less than their male partners. So the age of P and Q is less than V.

Q 6. This consists of a decision and two statements numbered I and II given below it. You have to decide which of the given statements weaken/s or strengthens the decision and decide the appropriate answer.

Decision: The Government of the State decided that no cars in the city X shall be allowed to have tinted glasses from next month.

I. Most of the crimes reported in the past few months in city X had the involvement of cars with tinted glasses.

II. Tinted glasses were responsible for a large number of accidents in city X as they affected visibility during the night.

1. Statement I strengthens the decision while Statement II weakens the decision.
2. Both Statement I and Statement II weaken the decision.
3. Both Statement I and Statement II strengthen the decision.
4. Both Statement I and Statement II are neutral Statements.
5. Statement I weakens the decision while Statement II strengthens the decision.

Answer: 3

Solution 6:

Both the statements strengthens Government's decision because both the statements prove that the cause of accidents in City X was the increase in the number of cars with tinted glasses.

Q 7. This question consists of a Situation and three Statements numbered I, II and III given below it. You have to decide which of the given Statements may be a reason for the given situation.

Situations: Farmers of State D, who traditionally cultivate crop M, bore considerable losses owing to deficiency of nutrient Z in the soil which is vital for adequate growth of crop M. However, this year the farmers registered a 40% growth in production.

I. The farmers of State D have started producing crop Y only (which does not require nutrient Z for growth) for the past two years.

II. Since the past two years, the farmers of State D have been adding fertilizer to the soil which contains nutrient Z.

III. The nutrition this year was 200 more than the previous year in state D.

1. Either I or III
2. Only I
3. All I, II and III
4. Only III
5. Either II or III

Answer: 3

Directions (8-12): Study the given information carefully to answer the given questions.

Eight people A, B, C, D, E, F, G, and H live on eight different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the one above that is numbered two and so on till the topmost floor is numbered eight. Each one of them ran for a different distance in a marathon – 2300 m, 3800 m, 5000 m, 6400 m, 7200 m, 6300 m, 9100 m, and 10000 m but not necessarily in the same order. The one who ran for 5000 m lives on an even-numbered floor above floor number 5. Only three people live between the one who ran for 5000 m and G. The one who ran for 9100 m lives immediately above E. Only two people live between the one who ran for 9100 m and A. A does not live on the topmost floor. The total distance run by people living on floor number 3 and floor number 6 is 11400 m. The one who ran for 6300 m, lives immediately above the one who ran for 3800 m. Neither E nor A ran for 6300 m. Only two people live between B and the one who ran for 6300 m. The one who lives immediately below D ran for a distance more than that of B, but not the most. No one lives between H and the one who ran for 7200 m. E did not run for 7200 m. The one who ran for 10000 m lives immediately above D. C and G ran together for 16,300 m. C ran more than G.

Q 8. If M ran for 2000 m more than B, then for how many meters did M run?

1. 5200 m
2. 5800 m
3. 4900 m
4. 70000 m
5. 4300 m

Answer: 3

Solution:

B ran 2300m

M ran for $(2300 + 2000) \text{ m} = 4300 \text{ m}$

Q 9. Which of the following statements is true with respect to the given arrangement?

1. D lives on the topmost floor.
2. Only two people live between G and F
3. None of the given options is true
4. The one who ran for 2300m lives immediately above F.
5. A ran for 9100 m

Answer: 4

Q 10. Who amongst the following lives immediately above the one who ran for 7200 m?

1. The one who ran for 10000 m
2. H
3. F
4. The one who ran for 3800 m
5. A

Answer: 1

Q 11. Which of the given combinations is correct as per the given arrangement?

1. Floor number 7- 3800 m
2. Floor number 3- E
3. C- 9100 m
4. D- 5000 m
5. Floor number 2-7200 m

Answer: 2

Q 12. How many metres did F and A together run?

1. 16200 m
2. 7300 m
3. 12900 m
4. 15300 m
5. 11400 m

Answer: 3

Solution :

$$(9100 + 3800)m = 12900 \text{ m}$$

Solution (8-12):

8	C	10000 m
7	D	7200 m
6	H	5000 m
5	B	2300 m
4	F	9100 m
3	E	6400 m
2	G	6300 m
1	A	3800 m

Directions (13-15): In these questions, two/three statements followed by two conclusions numbered I and II have been given. You have to take the 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 follow the given statements?

Q 13.

Statements :

Some planets are stars.

All stars are comets.

No comet is an astronaut.

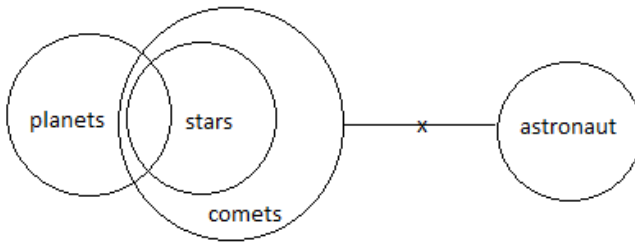
Conclusion I: No star is an astronaut

Conclusion II: All astronauts are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

Solution 13:



Q 14.

Statements :

Some planets are stars.

All stars are comets.

No comet is an astronaut.

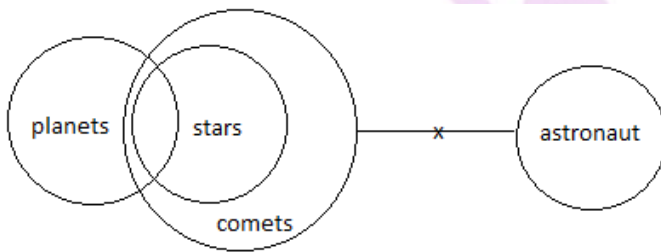
Conclusion I: Some planets being astronauts is a possibility.

Conclusion II: At least some comets are planets

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 2

Solution 14:



Q 15.

Statements: All trains are buses.

All buses are rickshaws. No rickshaw is a plane.

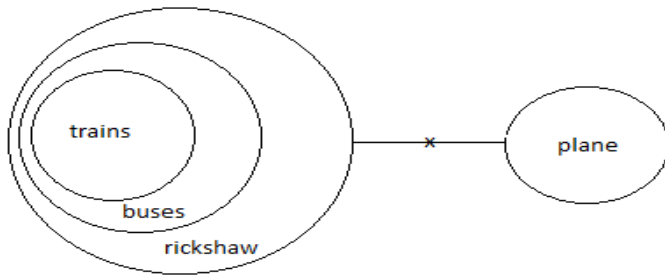
Conclusion I: All trains are rickshaws.

Conclusion II: All plains being trains is a possibility.

1. If only conclusion I is true
2. If both conclusions I and II are true
3. If either conclusion I or II is true
4. If only conclusion II is true
5. If neither conclusion I nor II true

Answer: 1

Solution 15:



Directions (16-21): Study the given information carefully and answer the given questions.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 S, T, U, V, W, and X are seated and all of them are facing south. In row-2 M, N, O, P, Q, and R are seated and all of them are facing north. Therefore in the given seating arrangement, each member seated in a row faces another member of the other row. No two people with names starting with a consecutive neighbor of each other. For e.g. A is not an immediate neighbor of B. B is not an immediate neighbor of either A or C and so on. Each of them also likes different movies viz. Vertigo, Cinderella, Twilight, Gladiator, Uninhabited, Inception, Frozen, Watchmen, Tangled, Aladdin, Hero and Wanted.

[Note: None of the information given is necessary in the same order.]

T sits at the extreme end of the line. Only two people sit between T and the one who likes Frozen. N sits second to the left of the one who faces the one who likes Frozen. The one who likes Twilight sits second to the right of O. T does not face the one who likes Twilight. Only two persons sit between P and R. U does not sit an extreme end of the line. X is not an immediate neighbor of T. V faces the one who likes Tangled. Only three people sit between the ones who like Tangled and Vertigo. R likes Inception. Only one person sits between R and M. One of the immediate neighbors of M faces the one who likes Hero. The one who likes Cinderella sits to the immediate left of S. P sits second to the right of the one who likes Aladdin. Only one person sits between the one who likes watchmen and wanted. T does not like wanted. N does not like Gladiator.

Q 16. Which of the following statements is true as per the given arrangement?

1. U likes Watchmen.
2. Q faces one of the immediate neighbours of W.
3. P is an immediate neighbor of N.
4. None of the given statements is true.
5. S sits between V and X.

Answer: 2

Q 17. Who amongst the following likes uninhabited?

1. P
2. W
3. S
4. X
5. N

Answer: 5

Q 18. Who amongst the following is facing Q?

1. X
2. V
3. The one who likes Watchmen

4. S
5. The one who likes Frozen

Answer: 3

Q 19. Four of the following five are alike in a certain way based on the given arrangement and hence from a group. Which of them do not belong to that group?

1. The one who likes Tangled
2. N
3. The one who likes Vertigo
4. The one who likes Gladiator
5. V

Answer: 3

Q 20. W is related to Cinderella and P is related to Inception in a certain way based on the given arrangement. To which of the following is U related, following the same pattern?

1. The one who faces P
2. The one who faces O
3. T
4. S
5. The one who likes Uninhabited

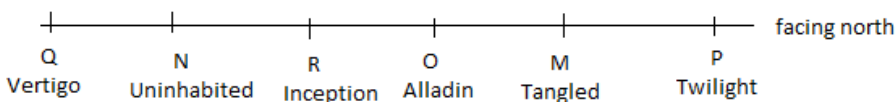
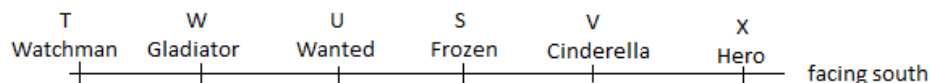
Answer: 1

Q 21. What is the position of Q with respect to the one who likes Inception?

1. Third to the right
2. Second to the right
3. Third to the left
4. Second to the left
5. Fourth to the left

Answer: 4

Solution (16-21):



Directions (22-27): Study the information carefully and answer the questions.

Professor O, P, Q, R, S, T, U, V, W, X, Y, and Z had lectures in different months of the same year viz. January, March, April, May, June, and December but not necessarily in the same order. All the lectures are either on the 12th or 25th of these months. No two professors had lectures on the same day. Each professor also likes different colors namely Red, Blue, Green, Yellow, Orange, White, Pink, Silver, Maroon, Violet, Brown, and Grey but not necessarily in the same order.

Note: No lecture was conducted in any other month of the same year.

V had a lecture on 12th April. Only two people had lectures between V and Q. The one who likes red had a lecture in the same month as Q. Q does not like red. The one who likes White had a lecture on an even-numbered date of the month which had exactly 30 days. V does not like white. Only three people had a lecture between the one who likes White and the one who likes Violet. As many people had lectures between the one who likes red and O as between Q and the one who likes White. Only two people had lectures between O and the one who likes Blue. U had a lecture on the 12th of a month before the one who likes Violet. U likes neither red nor blue. Only two people had lectures between U and the one who likes Orange. Only two people had lectures between the one who likes Orange and the one who likes Green. X had a lecture in the same month as the one who likes green. As many people had a lecture after W as before X. Only one person had a lecture between W and Z. Z had a lecture before W. the one who likes Pink had a lecture on an odd-numbered day in the same month as Z. P had a lecture on the 12th of the same month as R. Only two people had lectures between P and the one who likes Yellow. The one who likes maroon had a lecture before P. T likes brown. S does not like Red. W does not like Grey.

Q 22. Which of the following combinations indicate those who had a lecture in March?

1. The one who likes Maroon and R
2. U and X
3. P and R
4. The one who likes Green and the one who likes pink
5. R and V

Answer: 3

Q 23. Which of the following combination is correct?

1. W-White
2. X-Pink
3. U-Grey
4. V-Violet
5. O-Red

Answer: 4

Q 24. If Y is related to White and P is related to Violet based on the given arrangement, then which of the following is related to O following the same pattern?

1. Grey
2. Pink
3. Brown
4. Maroon
5. Silver

Answer: 1

Q 25. How many people have lectures between the lectures by X and Y?

1. Two
2. Four
3. None
4. One
5. Three

Answer: 2

Q 26. Four of the following five are alike in a certain way based on the given seating arrangement and hence form a group. Which of the following does not belong to that group?

1. 12-Y
2. 25-O
3. 12-Green
4. 25-T
5. 12-Pink

Answer: 5

Q 27. Who amongst the following had a lecture in the same month as S?

1. V
2. The one who likes Grey
3. The one who likes White
4. The one who likes Yellow
5. W

Answer: 3

Solution (22-17):

12th January	U	Green
25th January	X	Maroon
12th March	P	Blue
25th March	R	Orange
12th April	V	Violet
25th April	O	Yellow
12th May	Y	Red
25th May	Q	Grey
12th June	Z	White
25th June	S	Pink
12th December	W	Silver
25th December	T	Brown

Q 28. In which of the given expressions does the expression $R \leq T$ definitely holds true?

1. $T \geq L \geq M, R \geq O > M$
2. $T > L > M, R \leq M \leq O$
3. $T > L > M, R \geq O \geq M$
4. $T \geq L \geq M, R \leq O \leq M$
5. $T > L = M, R < O \leq M$

Answer: 4

Solution 28:

$$T \geq L \geq M \geq O \geq R$$

Q 29. Read the following information and answer the question. 'If we take a close look at the balance sheets of previous five years, it shows that the amount of loans taken by the company against fixed assets has only increased, the result of which is poor financial health of the company this year'. Financial report of Company B. Which of the following can be inferred from the statement of the financial report of the company B?

- A. Decreasing the amount of loans against fixed assets will improve the financial health of company B.
- B. The value of the fixed assets of Company B has decreased by taking loans against them.
- C. An analysis of the balance sheets of a company throws light on its financial health.
- D. Company B had not taken any loans in any financial year other than the said five years.

- 1. None can be inferred
- 2. Both A and D
- 3. Both A and C
- 4. Only D
- 5. Only B

Answer: 3

Solution 29:

Q 30. Study the following information and answer the question given. School X had been allowing local people to use their basketball court and cricket ground after school hours by charging fees for the same. This had helped the school generate a significant amount of additional income in the past few years. However, this year the school decided to discontinue the practice.

Which of the following statements does not strengthen the decision of School X of discontinuing the practice?

- 1. The number of people using the basketball court and cricket ground of school is slightly decreased last year as other schools in the vicinity also started following the same practice.
- 2. School X could not win even a single trophy in the past few years annual inter-school games competition as the participants did not get adequate time for practice due to access to rounds to local people.
- 3. Complaints by the nearby residents of school X have increased about the increased disturbance created by the users of the basketball court and cricket ground beyond school hours.
- 4. The damage caused to the basketball court and cricket ground of school X has increased significantly due to over-use by the subsidisers thus not allowing the students to play.
- 5. The governing board of school X denied access to school premises in any number by the subsidisers (other than parents of students) in this year's board meeting for security reasons.

Answer: 5

Directions (31-32): In these questions, four statements followed by five conclusions are given, one of which definitely does not logically follow for is not a possibility of economical) from the given statements. That conclusion is your answer.

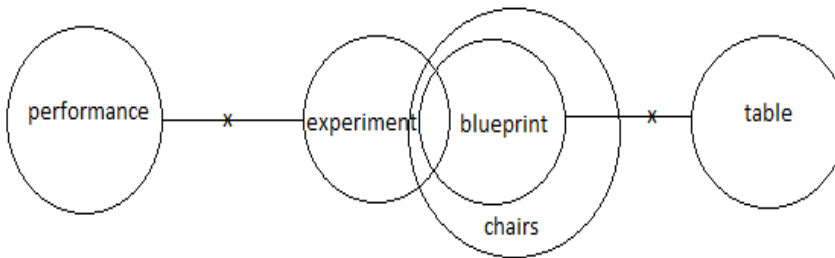
(Note: You have to take the four given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically does not follow from the given statements.)

Q 31. Statements: No performance is an experiment. Some experiments are Blueprints. No blueprint is a table. All blueprints are chairs.

1. Conclusion: Some experiments are definitely not tables.
2. Conclusion: At least some experiments are chairs.
3. Conclusion: All chairs being performances is a possibility
4. Conclusion: All tables being experiments is a possibility.
5. Conclusion: All blueprints can never be performances.

Answer: 3

Solution 31:

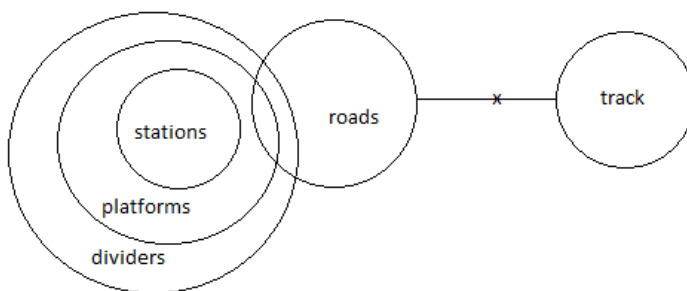


Q 32. Statements: All stations are platforms. All platforms are dividers. Some platforms are roads. No road is a track.

1. Conclusion: All stations are dividers.
2. Conclusion: Some platforms are definitely not tracks.
3. Conclusion : All tracks being stations is a possibility.
4. Conclusion: All dividers being tracks is a possibility
5. Conclusion: Some dividers are roads.

Answer:

Solution 32:



Directions (33-36): In these questions, the relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Q 33.

Statements: $B \leq R \leq U \geq S > H$; $Y < O \leq U \leq A$

Conclusion I: $B = A$

Conclusion II: $B > A$

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true

5. If both conclusion I and II are true

Answer: 3

Solution 33:

Y
 $\wedge$
 O
 $\wedge$ I
 $B \leq R \leq U \geq S > H$
 $\wedge$ I
 A

Q 34.

Statements: $B \leq R \leq U \geq S > H$; $Y < O \leq U \leq A$

Conclusion I: $S \geq O$

Conclusion II: $R < Y$

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 34:

Y
 $\wedge$
 O
 $\wedge$ I
 $B \leq R \leq U \geq S > H$
 $\wedge$ I
 A

Q 35.

Statements: $S = H \geq A \geq P = E$; $P < L \leq R \leq E$

Conclusion I: $S \geq L$

Conclusion II: $E < A$

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 2

Solution 35:

$S = H \geq A \geq P = E$
 $\vee$
 L
 $\vee$ I
 R
 $\vee$ I

E

Q 36.

Statement: $S = H \geq A \geq P = E; P < L \leq R \leq E$

Conclusion I: $S < P$

Conclusion II: $P < A$

1. If only conclusion I is true
2. If only conclusion II is true
3. If either conclusion I or II is true
4. If neither conclusion I nor II is true
5. If both conclusion I and II are true

Answer: 4

Solution 36:

$S = H \geq A \geq P = E$

V
L
VI
R
VI
E

Q 37. Study the given information carefully to answer the given question.

'Goldkart', a leading gold jewelry chain in country 'Rikmaya' is famous for good jewelry with intricate designs. However, it recently chose to import jewellery from Country X for sale besides selling just intricate designs.

Which of the following cannot be a reason behind the decisions taken by 'Goldkart'?

1. Gold jewelry with intricate designs was a brainchild of 'Goldkart' in order to have an edge over other jewelry companies. Since these designs are now overused, they wish to bring a newer concept of designs.
2. The new concept of layered gold jewelry recently started by company X is widely in the news worldwide.
3. The Jewellery designers of 'Goldkart' haven't updated their skills for 5-6 years making them incompetent as compared to other designers of the country.
4. Since country X has quoted high prices to export gold jewelry to 'Goldkart', the profit gained by 'Goldkart' is just 18% more than the usual profit.
5. None of those given as options.

Answer: 5

Q 38. Read the given information and answer the question.

A road construction project has been going on in State Y and was due to be completed two months ago. The government of that time had extended the deadline of the project by three months and also allowed truck carrying the raw material to pass through city 2 in order to speed up the process. Yet the construction work is further delayed and is not likely to get over in the extended deadline as well.

Which of the following may NOT be a reason for the delay of construction work in State Y?

1. the workers have started going on strike and off since the past four months as they demanding higher wages.

2. Some part of the land on which the road is to be constructed is owned privately and a dispute is going on in the court regarding the same.
3. Monsoon have approached State Y and due to heavy rainfall the construction work is 3 times slower than you.
4. Due to several complaints by the residents living in the vicinity of the construction site, the construction work is done for four hours less than the usual construction hours since paid four months.
5. Most roads of city 2 have traffic jams in the morning as well as most people in the city travel to work by road.

Answer: 5

Directions (39-41): These questions consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and mark the appropriate answer.

Q 39. Six people A, B, C, D, E, and F are sitting around a circular table facing the centre. What is E's position with respect to F?

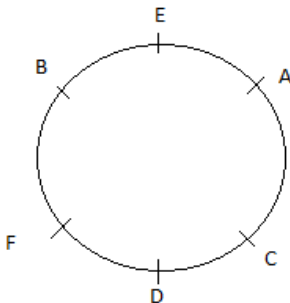
- I. A sits second to the right of D. Only two people sit between A and F. B sits to the immediate right of E.
- II. Only two people sit between D and E. E is an immediate neighbour of both B and A. C is not an immediate neighbour of B.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

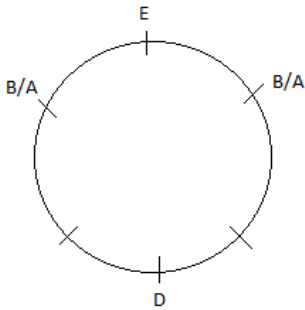
Answer: 1

Solution 39:

Statement I gives a solution:



Statement II gives a solution:



Therefore, a solution is only application for the first statement.

Q 40. How is 'dwarf' definitely coded in the same code language?

I. In a certain code language, 'the dwarf planet' is coded as 'cq sd ap' and 'the solar energy' is coded as 'kb og sd'.

II. In a certain code language, 'only dwarf planet' is coded as 'cq ap st', 'the coldest planet' is coded as 'sd cq yt'.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 4

Solution 40:

The code for the word 'dwarf' can only be attained with the help of both the statements together.

Q 41. Fifteen people are standing in a straight row facing north. What is M's position with respect to S?

I. P stands third from the left end of the row. Only two people stand between P and M. N stands third to the right of M. S is an immediate neighbor of N.

II. Q stands second from the right end of the row. Only two people stand between Q and O. O is an immediate neighbor of S. As many people stand to the left of M as to the right of S.

1. The data even in both statements I and II together are not sufficient to answer the question.
2. The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.
3. The data either in statement I alone or in statement II alone are sufficient to answer the question.
4. The data in both statements I and II together are necessary to answer the question.
5. The data in statement II alone are sufficient to answer the question while the data in statement I are not sufficient to answer the question.

Answer: 2

Q 42. This question consists of two statements numbered I and II. These statements may be either independent causes or effects of independent causes or a common cause. One of these statements

may be the effect of the other statement. Read both the statements and decide which of the given answer choices depicts the relationship between these two statements.

Statements: I. Unlike the last two years, the amount of toxic gases such as carbon monoxide and sulphur dioxide along with volatile organic compounds present in the atmosphere crossed the permissible limit in Country X this year.

II. The emissions from stationary sources such as industries and that from mobile sources such as transport have increased substantially this year in Country X.

1. Both statements I and II are the effects of independent causes.
2. Both statements I and II are effects of some common cause.
3. Statement I is the cause and statement II is its effect.
4. Statement II is the cause and statement I is its effect.
5. Both statements I and II are independent causes.

Answer: 3

Directions (43-47): Study the given information carefully to answer the given questions.

Eight people – A, B, C, D, E, F, G, and H live in eight different cities – Varanasi, Nashik, Chennai, Siliguri, Ujjain, Bhopal, Jaipur and Patna, but not necessarily in the same order. Each one of them also studies in one of the four classes – II, V, VIII and XI. Two people study in each of the given classes.

- A studies in an even-numbered class. The one who lives in Ujjain studies with A.
- The one who lives in Varanasi and Jaipur study in the same class, but in a class lower than VIII. D studies in a class lower than that of the one who lives in Varanasi.
- The one who lives in Nashik studies with H in the same class, but not in Class XI. D does not live in Nashik.
- B and G study in different classes. B lives neither in Jaipur nor in Nashik. G is senior to both B and H. Neither B nor the one who lives in Siliguri study in the same class as D. E lives in Siliguri.
- C is junior to F. The one who lives in Patna studies in an odd-numbered class.
- Neither H nor D lives in Bhopal. The one who lives in Chennai is senior to the one who lives in Bhopal.

Q 43. In which of the following cities does C live?

1. Bhopal
2. Chennai
3. Jaipur
4. Nashik
5. Varanasi

Answer: 3

Q 44. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following cities does not belong to the group?

1. G-Siliguri
2. D- Bhopal
3. C-Varanasi
4. F-Chennai
5. A-Patna

Answer: 4

Q 45. In which class does H study?

1. The one in which studies
2. VIII
3. The one in which E studies
4. V
5. II

Answer: 2

Q 46. Who amongst the following lives in Bhopal?

1. A
2. G
3. C
4. H
5. Other than those given as options

Answer: 1

Q 47. Which one of the following statements is TRUE with respect to the given information?

1. B lives in Nashik
2. G is senior to E
3. B and F study in the same class.
4. The one who lives in Jaipur studies in Class V.
5. None of the given statements

Answer: 4

Solution (43-47):

A	II	Bhopal
D	II	Ujjain
B	V	Varanasi
C	V	Jaipur
F	VIII	Nashik
H	VIII	Chennai
E	IX	Siliguri
G	IX	Patna

Directions (48-51): Study the following information and answer the questions.

Trisha starts walking from point A, walks 12 m to the south and reaches point B. She then takes a left turn and walks 7 m to reach point C. She then takes a left, walks 5 m and reaches Point D. From Point D she turns left, walks 11 m and stops at point E. Point P is to the west of Point B. Rishi who is standing at point P walks for a distance equal to the shortest distance between B and E and reaches Point Q. From Point Q he takes a left turn, walks for a certain distance and reaches point E.

Q 48. Mehul starts walking towards south from Point B. He walks for a certain distance to reach Point K. He then takes a left turn walks for 10 m, takes another left turn and stops after walking for 9 m. If his final position is 3 m to the east of Point D, what is the distance between Point B and Point K?

1. 4 m
2. 6 m
3. 5 m
4. 2 m
5. Cannot be determined

Answer: 1

Q 49. Point M is 9 m to the north of Point Q. From Point M, which of the following walking directions would lead to point A?

12 m towards west, turn right and walk for 2 m, then turn right and walk for 7 m.

4 m towards the east, turn left and walk for 3 m, then turn right and walk 5 m.

3 m towards the north, turn left, walk 19 m, turn left and walk 5 m.

3 m towards the north, turn right and walk for 4 m.

1. Both A and D
2. Only D
3. Both B and C
4. Only C
5. Only B

Answer: 4

Q 50. In which direction is point C with respect to point P?

1. North-East
2. West
3. East
4. South-East
5. North-West

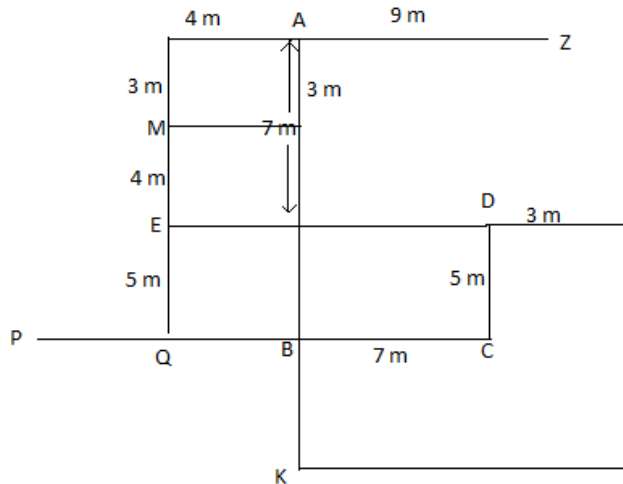
Answer: 3

Q 51. Point Z is 9 m to the east of Point A. Arun starts from point Z, walks towards the south, takes a right turn and walk for a certain distance to reach Point D. What is the total distance that Arun has to walk in order to reach Point D?

1. 20 m
2. 11 m
3. 19 m
4. 9 m
5. 15 m

Answer: 2

Solution (48-51):



Q 52. Study the given information to answer the question.

The tourism sector of Country G has emerged out to be the highest contributor to GDP of the economy of Country G for this financial year. The numbers of foreign as well as domestic visitors to various tourist spots of the country were found to be relatively high as compared to the last financial year. Which of the following may be a reason for increased tourism in Country G?

- A. The tourism packages offered by various travel agencies for visiting places in Country G were much cheaper and attractive.
- B. The government of Country G had started special buses, trains, and flights at highly subsidized rates for passengers during holidays.
- C. The various hotels and travel agencies of City F in Country G started holiday packages of 18% lesser price than any other tourist spot in the country.
- D. Country G was found to be the most preferred tourist destination for the last three years globally.

- 1. All A, B, C and D
- 2. Both A and D
- 3. Both B and C
- 4. A, B and D
- 5. Both A and B

Answer: 4

Directions (53-58): Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement: (All the numbers are two-digit numbers before performing the operations)

Input: tweet 43 also 13 suit 29 money kite 71 59

Step I: also tweet 43 13 suit 29 money kite 59 71

Step II: kite also tweet 43 13 suit 29 money 71 59

Step III: money kite as tweet 13 suit 29 71 59 43

Step IV: suit money kite also tweet 13 71 59 43 29

Step V: tweet suit money kite also 71 59 43 29 13

Step V is the last step of the above arrangement as the intended output of arrangement is obtained. As per the rules followed in the given steps, find the appropriate steps for the given input.

Input: neat bites 23 11 piles your 37 79 give 47

Q 53. As per the given arrangement, in step IV, 'piles' is related to 'give' following a certain pattern. Following the same pattern, '79' is related to '37' in step III. In step V, to which of the following is 'bites' related to following the same pattern?

1. Give
2. 47
3. 53
4. neat
5. your

Answer: 2

Q 54. Which is the third element to the left of the seventh element from the left end in step V of the given arrangement?

1. give
2. 47
3. near
4. 53
5. 79

Answer: 1

Q 55. How many elements are there between 'your' and '79' in step III of the given arrangement in the last step?

1. None
2. Two
3. Three
4. One
5. More than three

Answer: 5

Q 56. Which is the fourth element to the right of '11' in Step IV of the given arrangement?

1. 79
2. 37
3. bites
4. 11
5. your

Answer: 2

Q 57. In which one of the following steps is 'bites 11 your' found consecutively in the same order in the given arrangement?

1. Step II
2. Step III
3. There is no such step
4. Step V
5. Step IV

Answer: 5

Q 58. In step II of the given arrangement, which elements appear to the immediate right and immediate left of 'near' respectively?

1. '37' and 'piles'

2. 'give' and '11'
3. '11 and 'your'
4. '23' and 'bites'
5. 'piles' and 'give'

Answer: 4

Solution (53-58):

Input: neat bites 23 11 piles your 37 79 give 47

Step 1: bites near 23 11 piles your 37 79 give 47

Step 2: give bites near 23 11 piles your 37 79 47

Step 3: near give bites 23 11 piles your 79 47 37

Step 4: piles near give bites 11 your 79 47 37 23

Step 5: your piles near give bites 79 47 37 23 11

Q 59. In this question, there are two statements (A) and (B). These statements may either be independent courses or effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements carefully and decide which of the following answer choice correctly depicts the relationship between these two statements.

- I. Around 60% of the computer and software professionals of Country X wish to pursue ethical hacking.
 - II. The IT companies in three of the neighboring countries of Country X recently faced an attack of the 'Hacker Virus' in many of their systems.
1. Both statements A and B are independent causes.
 2. Both statements A and B are the effects of some common cause.
 3. Statement B is the cause and statement A is its effect.
 4. Statement A is the cause and statement B is its effect.
 5. Both statements A and B are the effects of independent causes.

Answer: 3

Q 60. What should come in place of (?) in the expression $P ? U = E > J$; $E ? M < W$ respectively so that the expression $W > P$ definitely holds true?

1. =, <
2. >, =
3. =, =
4. >, <
5. $\geq$, $\leq$

Answer: 1

Solution 60:

$P = U = E > J$

$\wedge$

$M < W$