RBI Grade B Previous Year Question Paper 2018

Reasoning Ability (Questions & Solutions)

Directions Q. (1 - 5): In the following question, assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

Q. (1) Statements:

A > B ≤ C; B = D; E ≤ F ≤ D

Conclusions:

I. E = C

II. C > E

III. A < D

IV. F > B

1. None is true.
2. Only IV is true.
3. Either I or II follows.
4. Both I and IV follow.
5. All are true

Answer: 3 (either conclusion I or conclusion II follows)

Solution: From the given statement, A > B ≤ C; B = D; E ≤ F ≤ D, we can conclude:

- A > C, A > D
- E ≤ B (Since, B = D), B ≤ C

Hence, C > E or C = E

Thus, either conclusion I or conclusion II follows.

Q. (2) Statements:

D > O ≤ M = I < N; I > A ≥ T > E

Conclusions:

I. M > E

II. < T

III. N > A

IV. D = E

1. None is true.
2. Only IV is true.
3. Only II follows.
4. Both I and III follow.
5. All are true.

Answer: 4 (Both I and III follows)

Solution: From the given statement, D > O ≤ M = I < N; I > A ≥ T > E, we can conclude:

- D > N (Since, M = I)
- M > E
- N > A (Since, N > I, A < I)

Hence, both conclusion I and conclusion III follows.

Q. (3) Statements:

P = Q ≥ R; Q ≥ S > T; U < R

Conclusions:

I. P ≥ S

II. Q > U

III. P = T

IV. R > P

1. None is true.
2. Both I and II are true.
3. Only III follows.
4. Both I and III follow.
5. All are true.

Answer: 2 (Both I and II are true)

Solution: From the given statement, P = Q ≥ R; Q ≥ S > T; U < R, we can conclude:

- P ≥ R > U
- Q > U, P ≥ S (Since, P = Q)

Hence, both conclusion I and conclusion II are true.

Q. (4) Statements:

I ≥ J = K < L; M ≤ J; N < K

Conclusions:

I. M ≤ I

II. N < L

III. I > L

IV. J = N

1. None is true.
2. Both I and II are true.
3. Only I follow.
4. Only III follows.
5. All are true.

Answer: 2 (Both I and II are true)

Solution: From the given statement, I ≥ J = K < L; M ≤ J; N < K, we can conclude:

- M ≤ I (since, I ≥ J and M ≤ J)
- N < L (since, K < L and N < K)\

Q. (5) Statements:

I ≥ J = K < L; L > M ≥ N; I < O

Conclusions:

I. O > L

II. N > L

III. I > M

IV. J < N

1. None is true.
2. Both I and III are true.
3. Only IV follows.
4. Only I follow.
5. All are true.

Answer: 1

Solution: On combining the given statement, I ≥ J = K < L; L > M ≥ N; I < O , we get

O > I ≥ J = K < L > M ≥ N

- O > L (false) (as O > I ≥ J = K < L. There is no definite relation between O and L.)
- N > L (false) (as L > M ≥ N. L is greater than N)
- I > M (false) (I ≥ J = K < L > M. There is no definite relation between I and M.)
- J < N (false) (J = K < L > M ≥ N. There is no definite relation between J and N.)

Hence, none of the conclusion follows.

Directions Q. (6 - 10): Study the information given below and answer the questions based on it.

Eight persons M, N, O, P, Q, R, S and T are sitting around a square table. They are sitting in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at four corners face inside while those who sit in the middle of the sides face outside. They were born in different months from January to August but in the same year, not necessarily in the same order. Q was born in a month which has 30 days and facing the centre. The one who is 3rd to the right of Q is 2 months elder to Q. The number of people elder to T is same as younger to P. Only one person is elder to N. The one who was born in June is 2nd to the right of the one who was born in February. S is 2nd to the left of N. R is the youngest person and neighbour of T. P is one month elder to Q. O is 3rd to the left of R. P is facing outside. The one who was born in January is 2nd to the left of O. S is elder to O.

Q. (6) Who among the following is the eldest person?

1. M

2. N
3. P
4. Q
5. T

Answer: 1 (M is the oldest of all)

Q. (7) Who among the following is 2nd to the left of R?

1. O
2. S
3. Q
4. P
5. T

Answer: 3 (Q is sitting 2nd to the left of R)

Q. (8) Which of the following combination is correct?

1. P-March
2. T-May
3. O-July
4. M-February
5. S- July

Answer: 3 (O-July is the correct combination)

Q. (9) Which of the following person does not belong to the group?

1. N
2. S
3. R
4. Q
5. O

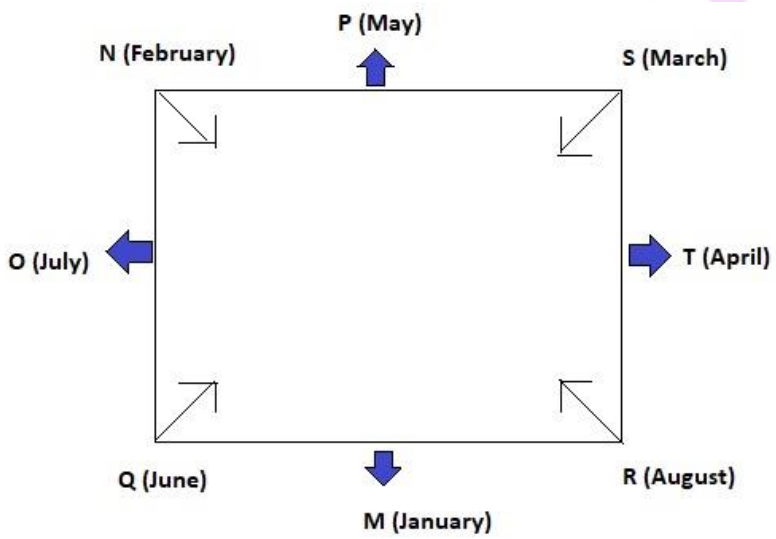
Answer: 5 (N, S, Q and R sits at the corner of the table while O sits at the centre)

Q. (10) Who among the following is not elder to P?

1. T
2. O
3. S
4. M
5. N

Answer: 2 (O is younger than P)

Solution Q. (6 - 10):



Directions Q. (11 - 15): Read the following information carefully to answer the given questions.

Eight members Susheel, Geeta, Vinit, Chetan, Sonu, Pankaj, Aashi and Seema of a family went to the park. There are two married couples and four generations. None of the fourth generation members is married. Chetan is the husband of Pankaj's Daughter in law. Neither Seema nor Susheel is married to Chetan. Susheel's sister has one son. There are four males and four females. Vinit is the grandfather of Aashi's father. Sonu is unmarried and is not the son of Chetan or Seema. Susheel is not married to

Pankaj, who is the father in law of Sonu's mother. Vinit does not have any son. Susheel's nephew has one son and one daughter.

Q. (11) Who is not the female member of the given group?

1. Geeta
2. Susheel
3. Aashi
4. Sonu
5. All are females

Answer: 3 (Aashi)

Q. (12) Who is the nephew of Susheel?

1. Chetan
2. Aashi
3. Sonu
4. Pankaj
5. Geeta

Answer: 1 (Chetan)

Q. (13) Who are the married females in the family?

1. Susheel, Aashi
2. Susheel, Seema
3. Geeta, Seema
4. Geeta, Pankaj
5. Susheel, Geeta

Answer: 3 (Geeta, Seema)

Q. (14) To which generation Pankaj belongs?

1. 1st
2. 2nd

3. 4th
4. 3rd
5. Can’t be determined

Answer: 2 (2nd generation)

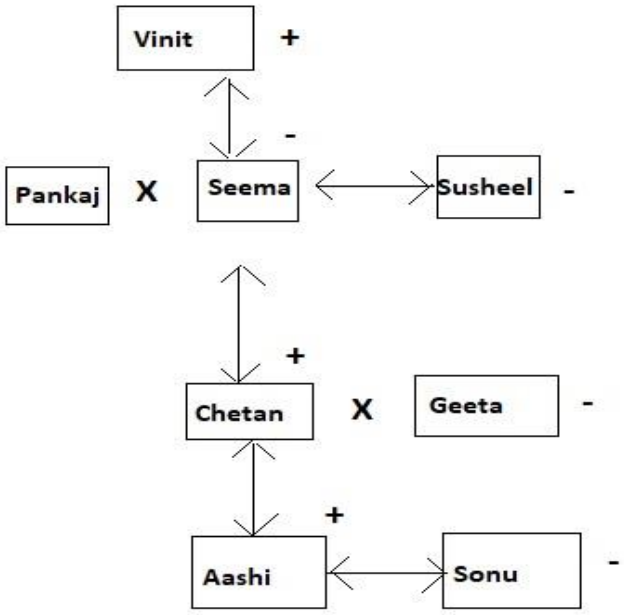
Q. (15) Who is the son of Geeta?

1. Sonu
2. Aashi
3. Pankaj
4. Vinit
5. None of these

Answer: 12 (Aashi)

Solution Q. (11 - 15):

+	**Male**
-	**Female**
x	**Married**
↔	**Sibling**
↕	**Son / Daughter**



Directions Q (16 - 20): Study the following information carefully and answer the questions that follow.

Eight boxes A, B, C, D, E, F, G and H are kept one above another. These boxes are of different colours namely, Orange, White, Violet, Green, Black, Grey, Red and Yellow but not respectively in the same order. Three boxes are kept between the one whose colour is Yellow and the one whose colour is Green, one of them is at the bottommost position. Box E is orange and kept immediately below Box B. Two boxes are kept between D and B. Box D is kept at the topmost position. Box G is placed in the middle of Box B and Box C and is of Black colour. Three boxes are placed between G and F. Box B is placed above Box C. The Box which is white in colour is placed immediately above Box H. Three boxes are placed between the one which is grey in colour and the one which is red in colour. Grey colour box is above the red colour box. Box H is placed above Box A. Box C is of green colour.

Q. (16) Which box is kept at the fourth position from the top?

1. The box which is yellow in colour
2. A
3. G
4. The box which is red in colour
5. None of these

Answer: 1 (The box which is yellow in colour i.e., Box B)

Q. (17) Which Box is white in colour?

1. E
2. F
3. D
4. B
5. G

Answer: 2 (Box F is white in colour)

Q. (18) How many boxes are there between box H and A?

1. One
2. Two
3. Three
4. Four
5. Five

Answer: 3 (Box B, Box E and Box G are there between Box H and A)

Q. (19) Four of them are alike in a certain way, which one of the following does not belong to the group?

1. D, F
2. B, E
3. G, A
4. H, C
5. F, H

Answer: 4 (H and C does not belong to the group)

Q. (20) Which one is true about box D?

1. Box D is kept at the third position from the top
2. Two boxes are there between box D and E

3. It is orange in colour
4. Violet in colour
5. None of these

Answer: 4 (Box D is Violet in colour)

Solution Q. (16 - 20):

Box	Colour
D	Violet
F	White
H	Grey
B	Yellow
E	Orange
G	Black
A	Red
C	Green

Directions Q. (21 - 25): In each of the questions below, some statements are followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance with commonly known facts. You have to decide which of the following conclusions logically follows from the given statements.

Q. (21) Statements:

- Some jacket is shirt.
- Some shirts are trouser.
- No shoes are t-shirt.
- All trousers are shoes.
- All pants are t-shirt.

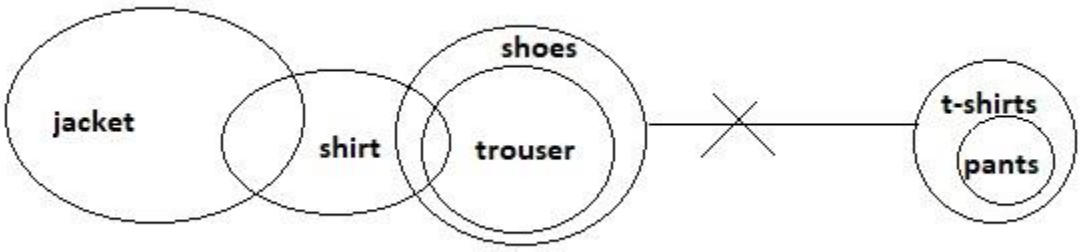
Conclusions:

I. All shirts being t-shirt is a possibility.
II. Some shoes are trouser.
III. Some jackets are t-shirt.
IV. Some shirts being t-shirt is a possibility.

1. Only II and III follow.
2. Only II and IV follow
3. Only I follows
4. All follow
5. None of these

Answer: 2 (Only II and IV follow)

Solution:



Q. (22) Statements:

- No colour is paper.
- Some paper is book.
- All books are eraser.
- All pens are colour.

Conclusions:

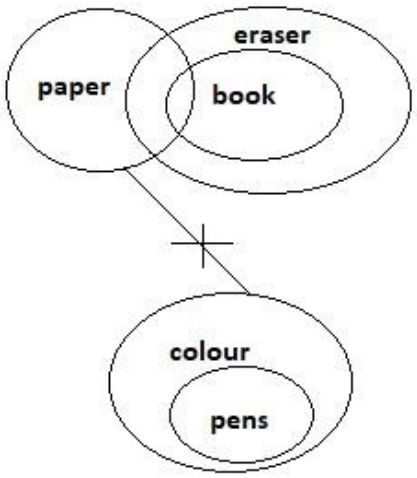
I. Some papers are eraser.
II. All pens being eraser is a possibility.
III. Some pens are eraser.

IV. Some pens are not eraser.

1. I and II follow
2. I and II and either III or IV follows
3. I and IV follow
4. All follow
5. None of these

Answer: 2 (I and II and either III or IV follows)

Solution:



Q. (23) Statements:

- Some laptops are charger.
- Some chargers are mobile.
- No mobile is wire.
- Some wires are cable.

Conclusions:

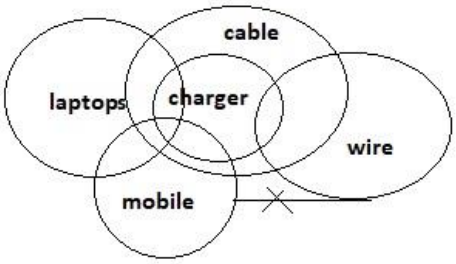
I. Some laptops are mobile.
II. Some laptops can be mobile.
III. All charger being cable is a possibility.

1. I, II, III follow

2. II and III follow
3. I and II follow
4. None follow
5. None of these

Answer: 2 (II and III follow)

Statement:



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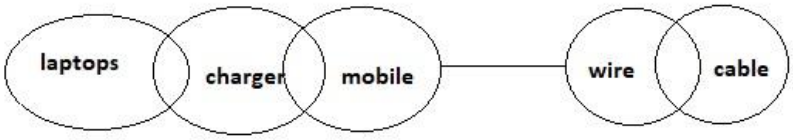


Q. (24) Statements:

- All schools are college.
- Some college are hostel.
- All hostels are building.
- No building is land.

Conclusions:

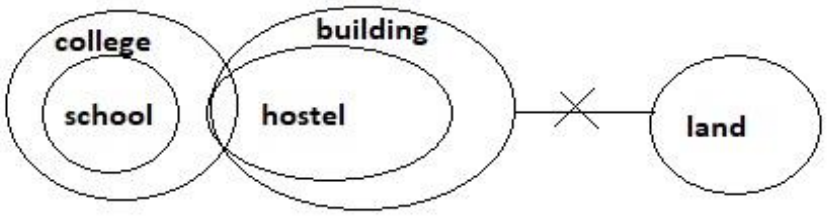
I. Some land being hostel is a possibility.
II. Some hostel is school.
III. Some buildings are college.
IV. All buildings are school.

1. II and IV follow

2. I and III follow
3. Only IV follows
4. Only III follows
5. None of these

Answer: 4 (Only III follows)

Solution:



Q. (25) Statements:

- All watch are time.
- All time are clock.
- Some watch is period.
- Some late is period.

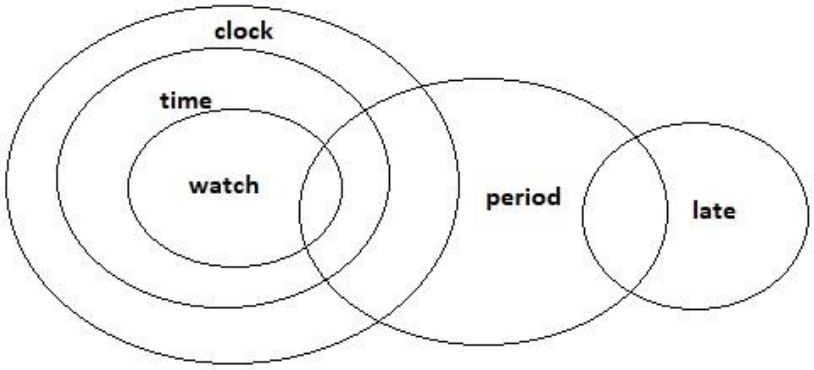
Conclusions:

I. Some clocks are period.
II. Some time is watch.
III. Some late are time.
IV. All watch are clock.

1. II and III follow.
2. Only I follows.
3. I, II and IV follow.
4. All follow.
5. None of these.

Answer: 3 (I, II and IV follow)

Solution:



Directions Q. (26 - 29): Read the following information carefully to answer the given questions.

In a family of 9 members- Jyotsna, Lavanya, Mahesh, Megha, Prem, Priya, Ram, Supriya, and Vijay. There are 2 married couples in the family. Further following information is known:

A. Prem is the son of Mahesh.
B. Prem is married to Priya.
C. Jyotsna is the sister of Priya.
D. Lavanya is the daughter of Prem's father, Mahesh and she is married to Ram's son, Vijay.
E. Jyotsna is the aunt of both Supriya and Megha.
F. Vijay has no child.

Q. (26) How is Ram related to Lavanya?

1. Mother-in-law
2. Father-in-law
3. Either a) or b)
4. Can't be determined
5. None of these

Answer: 2 (Father - in - law)

Q. (27) How many male members are there in the family?

1. 4
2. 3
3. 5

4. Can't be determined
5. None of these

Answer: 4

Q. (28) Who is the paternal aunt of Megha?

1. Priya
2. Jyotsna
3. Lavanya
4. Can't be determined
5. None of these

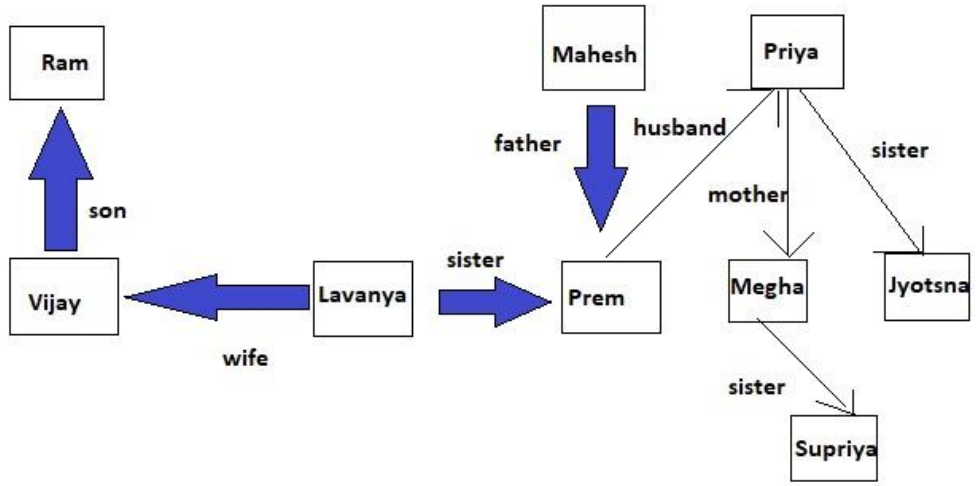
Answer: 3 (Lavanya)

Q. (29) If Mahesh is married to Sucheta, how is Sucheta related to Supriya?

1. Mother
2. Father
3. Grandmother
4. Grandfather
5. Can't be determined

Answer: 3

Solution Q. (26 - 29):



Directions Q. (30 - 32): Study the following alphanumeric sequence carefully and answer the questions given beside:

84 LAST 67 CRAB 78 NEWS 89 ROSE 76 UNDO

Q. (30) If the digits of the word that is starting with consonant and ending at a consonant are to be multiplied within the number while the digits of the rest words are to be added within the number then the words are arranged according to ascending order of the number from left to right end then what would be the 11th letter from left end?

1. A
2. D
3. S
4. W
5. T

Answer: 3

Solution: According to the given condition, we get:

32 LAST 42 CRAB 56 NEWS 17 ROSE 13 UNDO

Therefore, arranging the words according to ascending order of the number from left to right end, we get: **13 UNDO 17 ROSE 32 LAST 42 CRAB 56 NEWS**

Here, the 11th letter from left end is **S**.

Q. (31) If all the letters which are attached to an odd number are reversed and all the letters which are attached to an even number are changed to their succeeding letter then how many letters in the new sequence will appear exactly twice?

1. Two
2. Three
3. Four
4. Five
5. Seven

Answer: 4 (five)

Solution: According to the given condition, we get:

84 MBTU 67 XIZY 78 OFXT 89 ILHV 76 VOEP

Now, the letters in the new sequence appearing twice are **T, X, I, V** and **O.**

Q. (32) If a meaningful word is to be formed using the letters of words separately (using each letter only once), given that the second letter of newly formed word must be a vowel then what would be the total sum of the digits of the numbers attached to those words which follow the condition given?

1. 29
2. 24
3. 20
4. 33
5. 38

Answer: 1 (29)

Solution: The meaningful words having second letter as a vowel that can be formed using the above words separately are:

- ‘SALT’ using the word ‘LAST’
- ‘SORE’ using the word ‘ROSE’

Now, the number attached to the words ‘LAST’ and ‘ROSE’ are 84 and 89 respectively.

Hence, required sum = 8 + 4 + 8 + 9 = 29

Directions Q. (33 - 37): Study the following information carefully and answer the given questions:

6 person P, Q, R, S, T and V travel to Delhi either on 2nd or 30th of 4 different months, each having exactly 30 days. Each of them drives a different car - Alto, Breeza, Creta, Ferrari, Mercedes and Swift but not necessarily in the same order. There are 2 days on which no person travels to Delhi. T travels to Delhi on 30th of a month by Swift. Both P and V travels in the same month. Only 3 persons travel on each particular date (i.e. 3 persons travel on 2nd and 3 persons travel on 30th). Only 4 persons can travel between T and Q. Person who drives Breeza travels on 30th. P travels to Delhi before T but after Q. No one travels between V and T. S drives Breeza but not in April. The number of persons travelling before T are the same as that of travelling after the one who is driving Alto. One who drives a Mercedes travels immediately after Creta.

Q. (33) Who travels to Delhi on 2nd April?

1. Q
2. R
3. V
4. P
5. can not be determined

Answer: 2 (R travels to Delhi on 2nd April)

Q. (34) Who travels immediately after one who drives Breeza?

1. Q
2. R
3. P
4. V
5. T

Answer: 3 (P travels immediately after one who drives Breeza)

Q. (35) Which of the following statement(s) is true?

1. Only 1 person travels between S and Q.
2. T travels on 30th September.
3. V drives Creta.
4. No one travels between S and P.
5. All the given statements are true.

Answer: 4 (No one travels between S and P)

Q. (36) How many persons travel between S and P?

1. None
2. 1
3. 2
4. 3
5. More than 3

Answer: 1 (No one travels between S and P)

Q. (37) Who travels on 30th April?

1. S
2. V
3. T
4. R
5. None of these

Answer: 5 (No one travels on 30th April)

Solution Q. (33 - 37):

Months	**Dates**	
	2nd	**30th**
April	R (Alto)	___
June	Q (Ferrari)	S (Breeza)
September	P (Creta)	V (Mercedes)
November	___	T (Swift)

Direction Q. (38): In the following question is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: "You are hereby appointed as a curriculum developer with a period of probation that shall last for 6 months; at the end of which you will be confirmed or let go as per your performance evaluation" - A line in an offer letter.

Assumptions:

I. The performance of any professional can usually not be measured at the time of offering the job.

II. The probation period is for the professional to prove his capabilities.

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

Answer: 5 (both I and II are implicit)

Solution: The professional who has just been recruited needs to be evaluated over a period of time to know if he/she suits the work environment of the company. So, I is implicit. The statement mentions that the individual's capabilities shall be judged before confirmation. Hence, II is implicit as well.

Direction Q. (39): Study the following information carefully to answer the given question.

I. The destiny of Asia will be shaped by the triangular relationship between the Asian nations, India, China and Japan.

II. India, China and Japan which have registered a phenomenal growth over the last decade in particular, has acted as southern engines of growth for the whole world.

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

Answer: 2 (statement II is the cause and statement I is its effect)
Solution: Since the three countries are leading the economic growth of the whole world, they will shape the destiny of Asia. Hence, II is the cause and I is its effect.

Directions Q. (40 - 41): The question in the form of inference/conclusions are based on the passages given below. The passage is followed by five inferences. You are required to examine each inference separately in the context of the passage and decide upon its degree of truth or falsity.

The number of freelancers and consultants are at a steep rise in India. The credit for this goes to wider internet penetration. People prefer to work on their own terms and conditions and still make more money than what they could make in a 9-5 job. But tax filing is something which scares them a lot here. We are dealing with the tax implications for freelancers, bloggers and consultants in India. Mostly freelancers and consultants ask the question whether they have to pay income tax on their income. The answer is yes and in addition to income tax, they are also liable to pay service tax if their gross income is more than 10 lakh from freelancing as per the rate prescribed by the government. Freelancer is a term which refers to the person who is self employed not working or committed to a particular employer or client for the long-term anywhere. Within Indian law, if you are running your own business then you are termed as a sole proprietor and the same thing applied to the freelancers.

Inference: No one likes to work in 9-5 jobs.

1. Inference is definitely true
2. Inference is probably true
3. Data is inadequate
4. Inference is probably false
5. Inference is definitely false

Answer: 2

Q. (41) The number of freelancers and consultants are at a steep rise in India. The credit for this goes to wider internet penetration. People prefer to work on their own terms and conditions and still make more money than what they could make in a 9-5 job. But tax filing is something which scares them a lot here. We are dealing with the tax implications for freelancers, bloggers and consultants in India. Mostly freelancers and consultants ask the question whether they have to pay income tax on their income. The answer is yes and in addition to income tax, they are also liable to pay service tax if their gross income is more than 10 lakh from freelancing as per the rate prescribed by the government. Freelancer is a term which refers to the person who is self employed not working or committed to a particular employer or client for the long-term anywhere. Within Indian law, if you are running your own business then you are termed as the sole proprietor and the same thing applied to the freelancers.

Inference: If the income of freelancers is more than 10 lakh then they are liable to pay service tax.

1. Inference is definitely true
2. Inference is probably true
3. Data is inadequate
4. Inference is probably false
5. Inference is definitely false

Answer: 3

Q. (42) It is believed that algae grows faster in slow-flowing water. On the other hand, it is also argued that the growth of algae causes hindrance to the flow of water. As more algae grows the speed at which water flows decreases.

Which of the following, if true, would most appropriately weaken the argument that growth of algae reduces speed of water?

1. Algae grows at the same rate in still water as the rate at which it grows in flowing water.
2. Algae grows faster in shallow water than in deep water.
3. Propagation of algae takes place faster in flowing water than in still water.

4. The South African perennial rivers, which flow very fast throughout the year, are home to a large variety of algae.
5. The rivers closer to the equator, which receive good amount of sunlight throughout the year and have the thickest algae population, are the fastest-flowing rivers.

Answer: 5 (The rivers closer to the equator, which receive good amount of sunlight throughout the year and have the thickest algae population, are the fastest-flowing rivers.)

Directions Q. (43 - 47): Study the information given below and answer the questions based on it.

Less than 10 persons are sitting in a straight line and facing north. The persons whom are sitting at both ends like Fruits and the persons whom are sitting in the middle like Colors. C likes Banana. Two persons are sitting between C and E. Two persons are sitting between G and B who likes Pink. A is 3rd to the left of F. F is neighbor of B. The one who likes Apple sits 2nd to the right of B. B is neighbor of E. The number of persons between the one who likes Pink and the one who likes Banana is same as the one who likes Apple and the one who likes Blue. Two persons are sitting between the one who likes Blue and the one who likes Brown. The one who likes Red sits 2nd to the left of the one who likes Black.

Q. (43) If D likes Apple then how many persons are between D and F?

1. None
2. 1
3. 2
4. 3
5. 4

Answer: 1 (None)

Solution:

C	**G**	**A**	**E**	**B**	**F**	**D**
Banana	**Red**	**Blue**	**Black**	**Pink**	**Brown**	**Apple**

Q. (44) Who among the following sits 2nd to the left of E?

1. B
2. A
3. G
4. C
5. F

Answer: 3 (G)

Q. (45) A likes which of the following?

1. Pink
2. Apple
3. Blue
4. Black
5. Brown

Answer: 3 (A likes the colour blue)

Q. (46) Which of the following is TRUE?

1. F is at one of the ends
2. E sits exactly in the middle
3. G likes Blue
4. F likes Apple
5. Two persons are sitting between A and B

Answer: 2 (E sits exactly in the middle)

Q. (47) How many people are sitting between C and the one who likes brown?

1. 6
2. 4
3. 8
4. 9
5. 5

Answer: 2 (G, A, E and B)

Solution Q. (44 - 47):

C	**G**	**A**	**E**	**B**	**F**	___
Banana	**Red**	**Blue**	**Black**	**Pink**	**Brown**	**Apple**

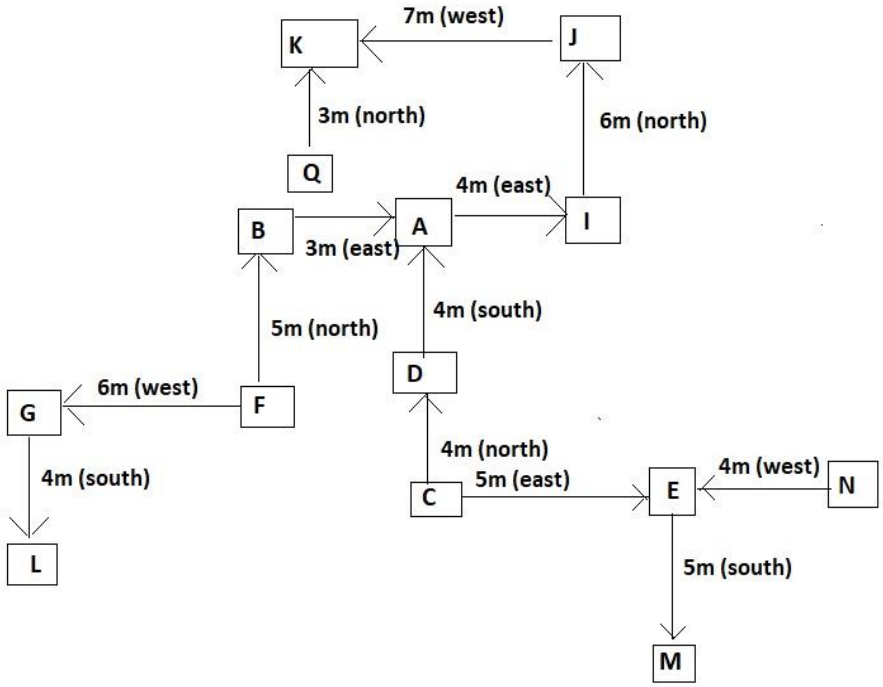
Directions Q. (48 - 50): Study the following information and answer the questions given below:
Point A is 3 m east of point B. Point D is 4 m north of point of C. Point K is 7 m west of point J. Point D is 4 m south of point A. Point L is 4 m south of point G who is 6m west of point F. Point E is 5 m east of point C and point B is 5 m north of point F. Point M is 5 m south of point E who is 4 m west of point N. Point K is 3 m north of Q. Point I is 4 m east of point A. Point J is in 6 m north of I.

Q. (48) What is the shortest distance between point N and point K?

1. 340 m
2. √340 m
3. 75m
4. √341 m
5. Both 2 and 3

Answer: 2 (√340 m)

Solution: Shortest distance between N and K = (12 12) + (14 14)
= √340 m



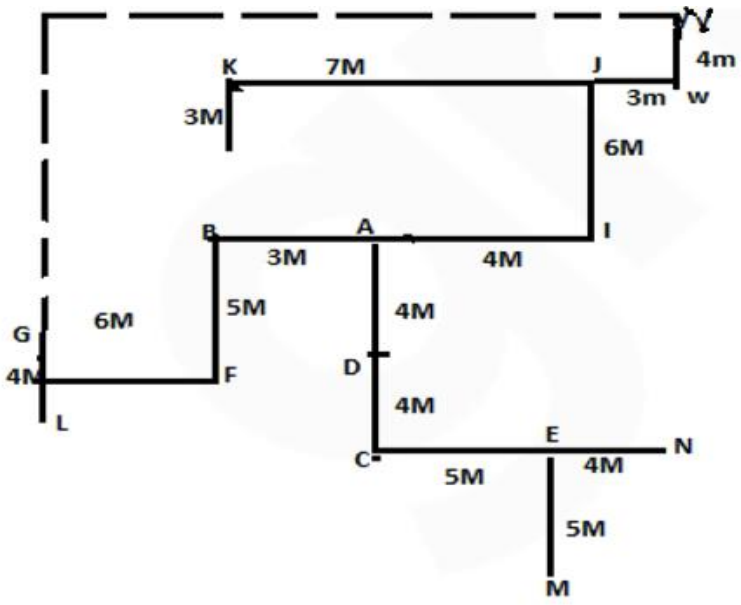
Q. (49) If Point W is 3 m east of point J and point V is 4 m north of point W. What is the shortest distance between point V and point L?

1. √145
2. √581
3. √617
4. 24 m
5. 2145

Answer: 3 (√617)

Solution: Shortest distance between point V and point L = (19 19) + (16 16)

= √617

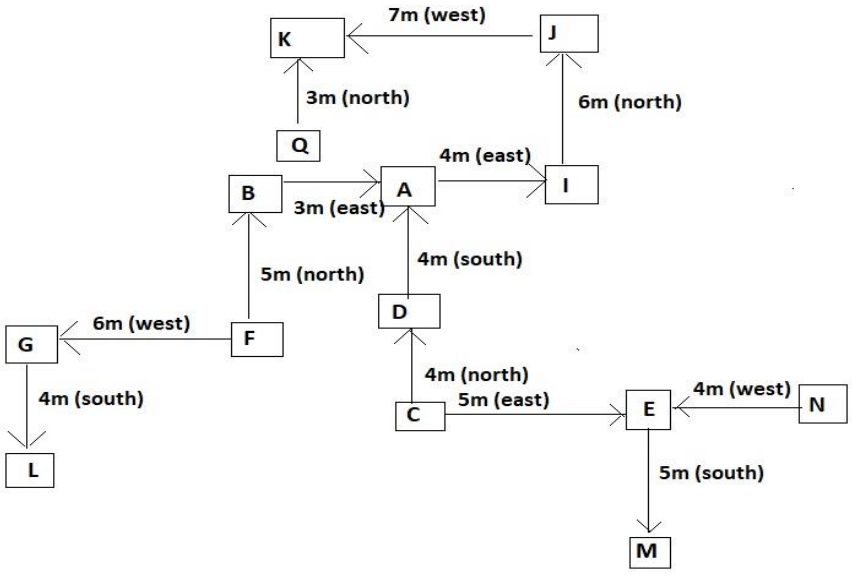


Q. (50) In which direction is point M with respect to point Q?

1. North
2. South
3. North-east
4. South-west
5. South-east

Answer: 2 (south)

Solution:



Direction Q. (51): In the question given below, one statement is followed by three assumptions numbered I, II, and III. Read the statement carefully and decide which of the given assumptions are implicit in the statement.

Statement: Overwhelmed with grief and anger, families have been returning to what is left of their homes in the Old City of Mosul, following its liberation from Isis, the terrorist organization.

Assumptions:

I. The terrorist organization, Isis, destroyed the Old City of Mosul before they left.
II. Most of the residents of Mosul had left/ been driven away when Isis took over their city.
III. None of the residents of Mosul supported Isis, which is why they left the city.

1. If only assumption I is implicit
2. If only assumption II is implicit
3. If only assumption III is implicit
4. If both assumptions I and II are implicit
5. If none of the assumptions are implicit

Answer: 4 (both assumptions I and II are implicit)
Solution: The statement says that people are returning to “what is left of their homes”, from which we can assume that their homes were almost destroyed. Similarly, because the families are returning to the city, we can assume that they were driven away or left when Isis took over their city.

Direction Q. (52): The question below, there is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true. Then consider the 2 conclusion together and decide which of them follows beyond a reasonable doubt from the information given in the statement.

Statement: The Nobel Peace Prize conferred on the International Campaign to Abolish Nuclear Weapons (ICAN) is equally a recognition for the 122 countries that backed the 2017 UN treaty this summer to ban the bomb.

Conclusions:

I. Nobel peace prize highlights the urgent need to outlaw nuclear weapons
II. Countries do not give importance to Nobel prize

1. Only conclusion I follows
2. Only conclusion II follows
3. Both conclusion I and II follows
4. Neither conclusion I nor II follows
5. Either conclusion I or II follows

Answer: 1 (Only conclusion I follows)
Solution: 122 countries backed the 2017 UN treaty this summer to ban the bomb and later the Nobel Peace Prize grants ICAN. This tells us that the Nobel Peace Prize committee wants to highlight the urgent need to outlaw nuclear weapons. This justifies conclusion I.

Direction Q. (53): A statement is given followed by three inferences numbered I, II, and III. Consider the statement to be true even if it is at variance with commonly known facts. You have to decide which of the inferences, if any, follow from the given statement.

Statement: 17 million children in the US have or have had a psychiatric disorder, but there are currently less than 60,000 beds to accommodate them.

Inferences:
I. The US government does not give too much importance to the difficult issue of mental health.
II. Funding is limited for mental health issues and for medical aid in general in the United States.
III. The US has the maximum number of children who suffer from psychiatric disorders.

1. Only I follows
2. Only II follows
3. Both I and II follow
4. Only III follows
5. Both II and III follow

Answer: 1 (Only I follows)

Solution: From the given statement we can conclude that the US government does not give too much importance to the difficult issue of mental health.

Direction Q. (54): A statement is given followed by three inferences numbered I, II, and III. Consider the statement to be true even if it is at variance with commonly known facts. You have to decide which of the inferences, if any, follow from the given statement.

Statement: Recent radar scans of Tutankhamun's tomb conclusively prove that there are no additional chambers or passages behind the walls of the famed pharaoh's burial chamber in the Valley of the Kings, Egyptian officials announced today.

Inferences:

I. It was previously assumed that there were secrets chambers or other mysteries hidden behind Tutankhamun's burial chamber.
II. King Tutankhamun is one of the most well-known pharaohs in the world.
III. Radar scans penetrate wood, concrete, and other walls and help figure out what's there on the other side.

1. Only I follows
2. Only II follows
3. Only III follows
4. All of them follow
5. None of them follows

Answer: 4
Solution: From the given statement, we can conclude that all of the above given inferences are true.

Direction Q. (55): In the question given below, a statement is given followed by three courses of action. A course of action is taken for improvement, follow up, etc. Read the statement carefully and give your answer accordingly.

Statement: Children are more susceptible than adults to diseases caused by chemical pesticide residues in food, a recent research report by a food committee states.

Courses of Action:

I. Every family should have a kitchen garden where they can grow their own food.
II. Parents should try and ensure that children eat more organic and locally grown food that is free of pesticides.
III. Parents and children should keep a tab on which fruits and vegetables have higher levels of pesticide residue and try and avoid them.

1. Only course of action I follows
2. Only course of action II follows
3. Both I and II follow
4. Both II and III follow
5. None of them follow

Answer: 4 (Both II and III follow)
Solution: Courses of action II and III follow because both of them are reasonable solutions to the problem of children being more susceptible to diseases caused by chemical pesticide residues in food.

Directions Q. (56 - 60): The question below consists of a question and two statements numbered I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

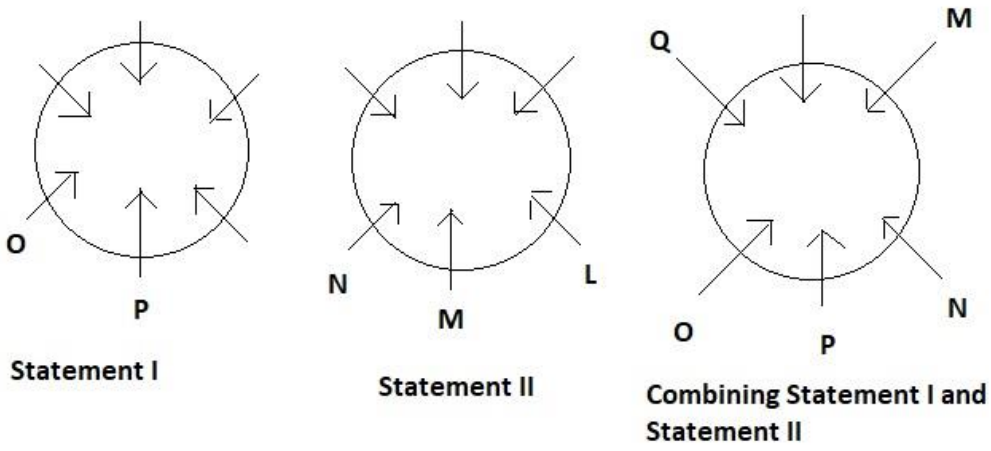
Q. (56) What is Q's position with respect to M when L, M, N, O, P and Q are sitting around a circle facing the centre?

I. L is second to the left of O who is sitting immediate left of P.
II. M and N are immediate neighbours of each other and M is sitting immediate left of L.

1. 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.

2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data in statements I alone or in Statement II alone are sufficient to answer the question.
4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

Answer: 5 (Data in both the Statements I and II together are necessary to answer the question)
Solution:



Q. (57) On a T.V. channel, four movie A, B, C and D were screened, one on each day, on four consecutive days but not necessarily in that order. On which day was the movie C screened?

I. The first movie was screened on 23rd, Tuesday and was followed by movie D
II. Movie A was not screened on 25th and one movie was screened between serials A and B

1. 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.
2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data in statements I alone or in Statement II alone are sufficient to answer the question.
4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

Answer: 5 (Data in both the Statements I and II together are necessary to answer the question)

Solution:

- From I, we know that the serials were screened on the 23rd, 24th, 25th and 26th. Clearly, D was screened second i.e. on 24th, Wednesday.
- From II, one movie was screened between A and B. So, A and B were screened first and third, i.e. on 23rd and 25th. But, A was not screened on 25th.
- So, A was screened on 23rd and B on the 25th. Thus, C was screened on 26th, Friday.

Data in both the statements I and II together are sufficient to answer the question.

Q. (58) What is the meaning of the code 'pullu' in a code language?

I. In that code language 'rem tez kullu pullu tullu' means 'sher singh is my son' and 'gullu sullu rullu pullu' means 'is he at home'.

II. In that code language 'nel pullu kullu dela' means 'my daughter is nirmala' and 'setha gama lala' means 'sit with me'.

1. 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.
2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data in statements I alone or in Statement II alone are sufficient to answer the question.
4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

Answer: 1 (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)

Solution: From I,

ram tez kullu (pullu) tullu → sher singh (is) my son

gullu sullu rullu (pullu) → (is) he at home

Therefore, code for 'is' is 'pullu' in the given coded language.

In that code language 'nel pullu kullu dela' means 'my daughter is Nirmala' and 'setha gama lala' means 'sit with me'. There are no common word in both statements therefore we cannot determine meaning of "pullu" is given coded language from statement II alone.

Q. (59) How many people standing between Rohit and Vijay in a straight line of 15 persons (Note: all are standing in a straight line facing north).

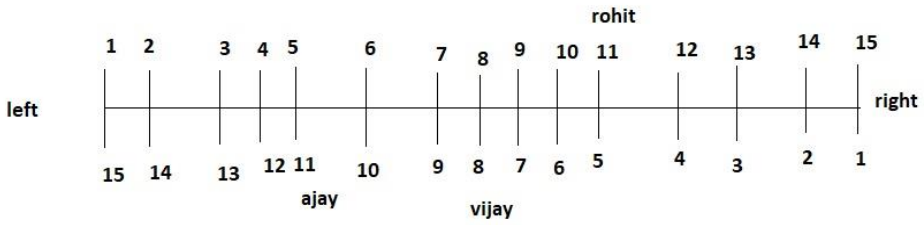
I. Ajay stands eleventh from the right end of the line. Vijay stands exactly at the center of the line. There are as many persons to the right of Rohit as there are to the left of Ajay.

II. Rahul stands fourth from the left end of the line. Ajay is the immediate neighbor of Rahul. Only two people stand between Vijay and Ajay. Only two people stand between Rohit and Ajay.

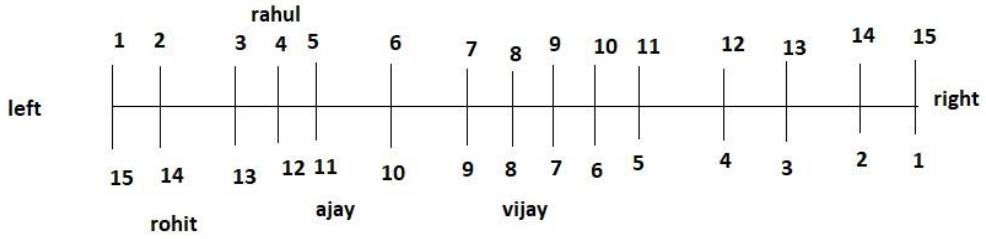
1. Data in statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data in statements I alone or in Statement II alone are sufficient to answer the question.
4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

Answer: 3 (Data in statements I alone or in Statement II alone are sufficient to answer the question)

Solution: From I,



From II,



Q. (60) Among M, N, O, P, Q and R, each having a different height, who is the second tallest?

I. M is taller than only O. N is taller than P shorter than R. Q is shorter than N.
II. Q is taller than only three persons. P is taller than M but shorter than R. N is shorter than R taller than P.

1. 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.
2. Data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
3. Data in statements I alone or in Statement II alone are sufficient to answer the question.
4. Data in both the Statements I and II are not sufficient to answer the question.
5. Data in both the Statements I and II together are necessary to answer the question.

Answer: 1 (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)

Solution: From I,

R > N > P > Q > M > O

From II,

Q > __ __ __ M > O

Combining I and II,

R > N > Q > P > M > O