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SBI PO Prelims 2019 Previous Year Questions (Reasoning)

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Direction (1 – 5) : Study the following information and answer the given questions carefully.
Six boxes A, B, C, D, E and F are kept one above the other. They like different colours viz. Red, Orange, Pink, Blue, Violet and Green but not necessarily in the same order.
Box C is kept immediately above the orange coloured box. Two boxes are kept between the orange coloured box and pink coloured box. Only three boxes are there between the pink coloured box and box E. Box E is not blue in colour. Red coloured box is kept immediately above the pink coloured box. Box F is Violet in colour. Box A is immediately above box B. Box D is orange in colour.

1. How many boxes are there between box A and box C?
A. One
B. Two
C. Three
D. Four
E. None

2. Which box is kept at the second position from the bottom?
A. D
B. E
C. A
D. B
E. C

3. Which box is green in colour?
A. C
B. D
C. A
D. E
E. B

4. Which box is kept immediately above box E?
A. A
B. F
C. D
D. B
E. C

5. How many boxes are kept above box F?
A. One
B. Two
C. Three
D. Four
E. None of these

Direction (6 – 8) : Study the following information and answer the given questions carefully.
Point Q is 16m to the south of point P. Point R is 5m to the west of point Q. Point T is 25m to the north of point R. Point V is 10m to the east of point T. Point J is 9m to the south of point V.

6. In which direction is point V with respect to point Q?
A. North East
B. North West
C. East
D. South West
E. North

7. If W is to the west of point J and to the north of point R, then what is the distance between point W and point T?
A. 9m
B. 18m
C. 15m
D. 5m
E. None of these

8. In which direction and at what distance is point P with respect to point J?
A. 10m towards north
B. 10m towards east
C. 5m towards east
D. 10m towards south
E. 5m towards west

Direction (9 – 11) : Study the following information and answer the given questions carefully.
Six people A, M, N, C, O and G are sitting around a triangle in such a way that three of them are sitting at the corners and three of them are sitting in the middle of the sides. Those who are sitting at the corners face inside and those who are sitting in the middle of the sides face outside.
A sits at the corner. M is an immediate neighbour of A. Two people sit between M

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and C. O sits to the immediate left of C. N is an immediate neighbour of O.

9. What is the position of O with respect to C?
A. Third to the right
B. Fourth to the left
C. Immediate left
D. Second to the right
E. None of these

10. How many persons are sitting between A and O?
A. One
B. Two
C. Three
D. Four
E. Five

11. Who is sitting second to the right of A?
A. M
B. G
C. O
D. N
E. C

12. How many such pairs of letters are there in the word 'PERSUADE', each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?
A. One
B. Two
C. Three
D. Four
E. More than four

Direction (13 – 17) : Study the following information carefully and answer the questions given below:
9 people are sitting in a straight line and some of them are facing north while some of them are facing south. The distance between any two immediate neighbours is the same. All the given information is not necessarily in the same order.
P sits second from one of the extreme ends of the line. R sits third to the right of P. Two people sit between R and S. U sits second to the right of S. Immediate neighbours of S face a direction opposite to that of S. Immediate neighbours of U face opposite directions. T sits second to the right of U. Both U and T face the same direction. W is a neighbour of T. W and T face opposite directions. Persons sitting at extreme ends face opposite directions. Q sits second to the left of V. X does not face south.

13. How many people sit between W and V.
A. 2
B. 6
C. 4
D. 5
E. None of these

14. Four of the following five are alike in a certain way, find the odd one out.
A. Q
B. W
C. P
D. V
E. R

15. Who among the following sit at the extreme ends?
A. VX
B. QS
C. QX
D. XS
E. VS

16. What is the position of T with respect to P.
A. Third to the right
B. Immediate left
C. Fifth to the left
D. Sixth to the right
E. Second to the right

17. Who sits to the immediate right of Q.
A. T
B. W
C. U
D. S
E. X

18. In a certain code language, 'TABLE' is coded as 'BUEFM' and 'PRAYS' is coded as 'SQDTZ', then how 'MINOR' will be coded in the same manner?

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A. JNSQP
B. JQNSP
C. JNQSP
D. JNSPQ
E. JNPQS

Direction (19 – 23) : In each of the following questions, some statements are given and these statements are followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

19. **Statements:**
Only a few teachers are males.
A few males are boys.
Conclusions:
I. All teachers being males is a possibility.
II. All teachers being boys is a possibility.
A. Only conclusion I is true.
B. Only conclusion II is true.
C. Either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusions I and II are true.

20. **Statements:**
All cars are toys.
Some toys are lamps.
Conclusions:
I. Only a few cars are lamps.
II. Some cars are not toys.
A. Only conclusion I is true.
B. Only conclusion II is true.
C. Either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusions I and II are true.

21. **Statements**:
All telegrams are stamps.
All mobiles are telegrams.
Conclusions:
I. Only a few telegrams are mobiles.
II. Some stamps are telegrams.
A. Only conclusion I is true.
B. Only conclusion II is true.
C. Either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusions I and II are true.

22. **Statements:**
A few ducks are birds.
Only birds are eggs.
Conclusions:
I. All birds being eggs is a possibility.
II. All ducks being eggs is a possibility.
A. Only conclusion I is true
B. Only conclusion II is true
C. Either conclusion I or II is true
D. Neither conclusion I nor II is true
E. Both conclusions I and II are true

Direction (23 – 26) : Study the following information carefully and answer the questions given below:
Eight persons – Arushi, Bubbly, Charan, Dinkar, Edward, Fancy, Gani and Hari consists of a family of three generations such that there are three females and two married couples in the family. For every person of the family either both or none of the parents are alive. Charan's sister–in–law is mother of Gani. Hari is an unmarried female. Gani's mother doesn't have any siblings. Arushi is father–in–law of Fancy who is mother of two children. Bubbly is grandmother of Gani who is nephew of Dinkar.

23. How is Hari related to Arushi?
A. Daughter
B. Grandson
C. Granddaughter
D. Daughter – in – law
E. Niece

24. How is Dinkar related to Hari?
A. Aunty
B. Father – in – law
C. Cousin
D. Uncle
E. None of the above

25. How many children does Arushi have?
A. None
B. One
C. Two
D. Three
E. Four

26. If Vani is Dinkar's daughter, then how is Fancy related to Vani?
A. Mother – in – law

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B. Sister – in – law
C. Aunt
D. Cousin
E. Cannot be determined

Direction (27 – 30) : Read the following information carefully and answer the questions which follow.
P, Q, R, S, T and V live on different floors in the same building having its six floors numbered one to six (the ground floor is numbered 1, the floor above it is numbered 2, and so on, till the topmost floor is numbered 6).
Q lives on an even-numbered floor. Only two people live between the floors on which Q and V live. S lives on a floor immediately above the floor on which R lives. S does not live on an odd-numbered floor. P does not live on a floor which is immediately above or immediately below the floor on which T lives. P does not live on the lowermost floor, i.e., floor no. 1.

27. Who amongst the following live on the floors exactly between the floors on which Q and V live?
A. R, S
B. P, R
C. S, T
D. P, T
E. Cannot be determined

28. Who amongst the following lives on floor number 5?
A. P
B. Q
C. T
D. V
E. Cannot be determined

29. On which of the following floors does T live ?
A. 3rd
B. 5th
C. 1st
D. 4th
E. Cannot be determined

30. How many people live on the floors above the floor on which P live?
A. None
B. One
C. Two
D. Three
E. Cannot be determined

Direction (31 – 33) : Study the following information carefully to answer the questions given below.
S N E 7 R % F 9 D 6 # G I $ 4 F H * 3 10 L 5 A @ 11 B Y & Z

31. How many such consonants are there in the above arrangement, each of which is immediately followed by a vowel but not immediately preceded by a number?
A. 1
B. 2
C. 3
D. 4
E. 5

32. How many such consonants are there in the above arrangement, each of which is immediately preceded by a vowel or immediately followed by a symbol but not both?
A. 0
B. 1
C. 2
D. 3
E. 4

33. Which of the following is the 8th to the left of the 16th from the left end in the above arrangement?
A. 9
B. F
C. D
D. #
E. None of these

34. How many such pairs of letters are there in the word DECAYS, each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series?
A. One
B. Two
C. Three
D. None
E. More than three

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35. In a row of students in a class, position of Andrew from the left side of the row is 32nd and position of Andrew from right side of the row is 41st. Find the total number of students in the row?
A. 78
B. 72
C. 69
D. 73
E. None of these

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###ANSWERS###

1. Ans. B.

Box	Colour
A	Red
B	Pink
F	Violet
C	Blue
D	Orange
E	Green

2. Ans. A.

Box	Colour
A	Red
B	Pink
F	Violet
C	Blue
D	Orange
E	Green

3. Ans. D.

Box	Colour
A	Red
B	Pink
F	Violet
C	Blue
D	Orange
E	Green

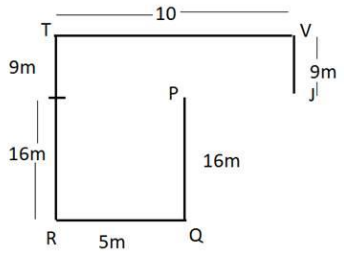
4. Ans. C.

Box	Colour
A	Red
B	Pink
F	Violet
C	Blue
D	Orange
E	Green

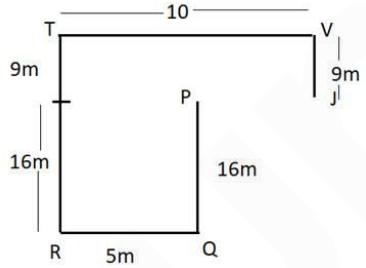
5. Ans. B.

Box	Colour
A	Red
B	Pink
F	Violet
C	Blue
D	Orange
E	Green

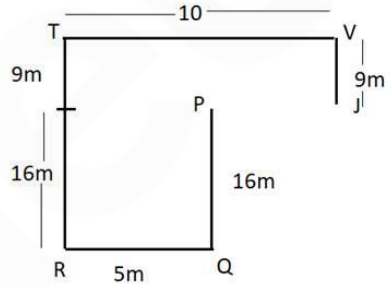
6. Ans. A.



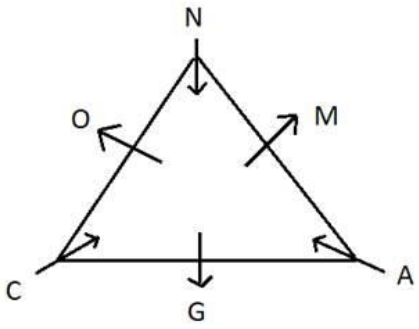
7. Ans. A.



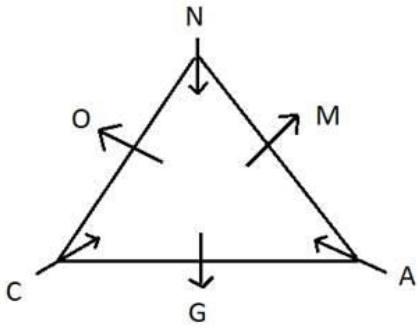
8. Ans. E.



9. Ans. C.



10. Ans. B.



11. Ans. D.

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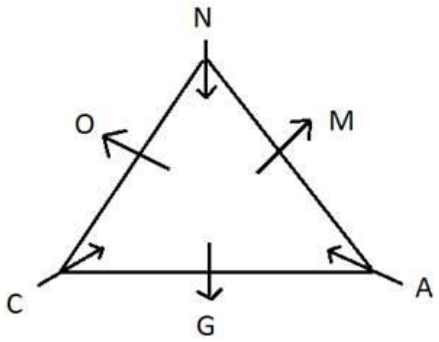
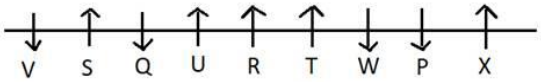
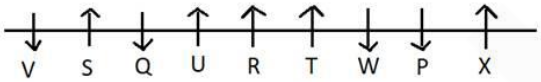


12. Ans. E.

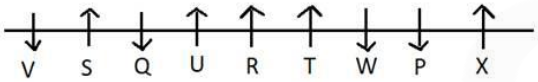
13. Ans. D.



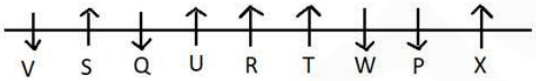
14. Ans. E.



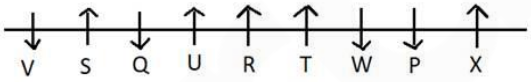
15. Ans. A.



16. Ans. E.



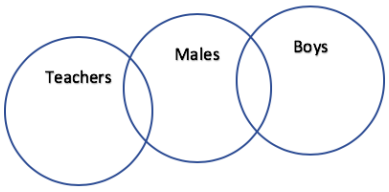
17. Ans. D.



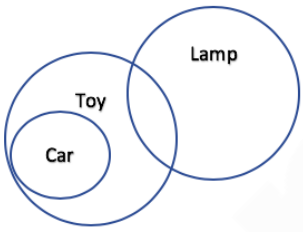
18. Ans. C.

Similary,

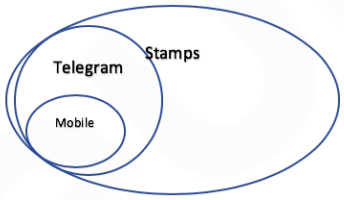
19. Ans. B.



20. Ans. D.

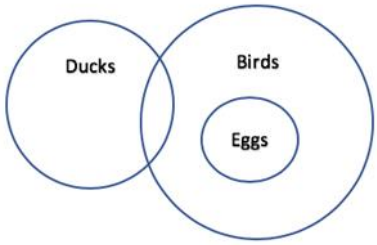


21. Ans. B.



I. Only a few telegrams are mobiles. -- All mobile are telegram also include a case where mobile and telegram are overlapping, so the stated conclusion only a few telegram are mobile is wrong here as it means that some telegram are mobile and some telegram are not mobile.
II. Some stamps are telegrams. -- This case has explained by the diagram clearly.

22. Ans. E.



23. Ans. C.
Eight persons – Arushi, Bubbly, Charan, Dinkar, Edward, Fancy, Gani and Hari
1) A family of three generations such that there are three females and two married couples in the family.
2) Bubbly is grandmother of Gani who is nephew of Dinkar.

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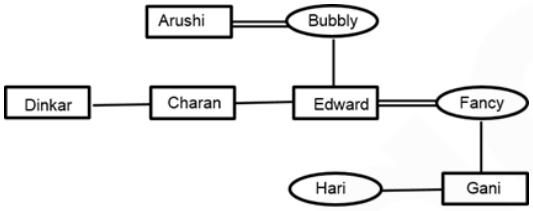
Charan's sister – in – law is mother of Gani.
Gani's mother doesn't have any siblings.
3) Arushi is father – in – law of Fancy who is mother of two children.
Hari is an unmarried female.
Hence, Fancy is mother of Gani and Hari.
4) There are three females and two married couple in the family.
Hence, Dinkar and Charan are brothers of Edward.
Draw the family tree using following notations:

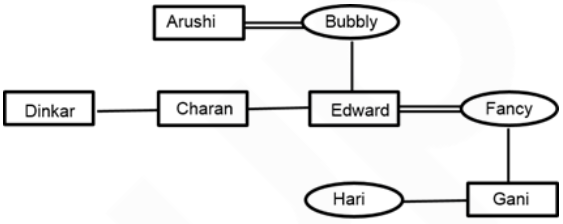
Symbol in Diagram	Meaning
◯	Female
□	Male
=	Married couple
—	Siblings
|	Difference of a Generation



Hence, Hari is granddaughter of Arushi.
24. Ans. D.
Eight persons – Arushi, Bubbly, Charan, Dinkar, Edward, Fancy, Gani and Hari
1) A family of three generations such that there are three females and two married couples in the family.
2) Bubbly is grandmother of Gani who is nephew of Dinkar.
Charan's sister – in – law is mother of Gani.
Gani's mother doesn't have any siblings.
3) Arushi is father – in – law of Fancy who is mother of two children.
Hari is an unmarried female.
Hence, Fancy is mother of Gani and Hari.
4) There are three females and two married couple in the family.
Hence, Dinkar and Charan are brothers of Edward.

Draw the family tree using following notations:

Symbol in Diagram	Meaning
◯	Female
□	Male
=	Married couple
—	Siblings
|	Difference of a Generation



Hence, Dinkar is uncle of Hari.
25. Ans. D.
Eight persons – Arushi, Bubbly, Charan, Dinkar, Edward, Fancy, Gani and Hari
1) A family of three generations such that there are three females and two married couples in the family.
2) Bubbly is grandmother of Gani who is nephew of Dinkar.
Charan's sister – in – law is mother of Gani.
Gani's mother doesn't have any siblings.
3) Arushi is father – in – law of Fancy who is mother of two children.
Hari is an unmarried female.
Hence, Fancy is mother of Gani and Hari.
4) There are three females and two married couple in the family.
Hence, Dinkar and Charan are brothers of Edward.
Draw the family tree using following notations:

Symbol in Diagram	Meaning
◯	Female
□	Male
=	Married couple
—	Siblings
|	Difference of a Generation

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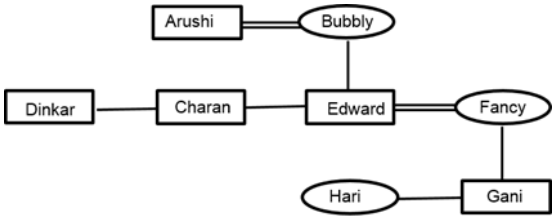


Hence, Arushi has three children.

26. Ans. C.

Eight persons – Arushi, Bubbly, Charan, Dinkar, Edward, Fancy, Gani and Hari

1) A family of three generations such that there are three females and two married couples in the family.

2) Bubbly is grandmother of Gani who is nephew of Dinkar.

Charan's sister – in – law is mother of Gani.

Gani's mother doesn't have any siblings.

3) Arushi is father – in – law of Fancy who is mother of two children.

Hari is an unmarried female.

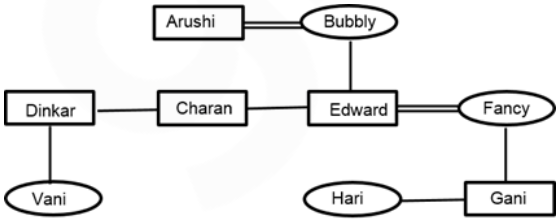
Hence, Fancy is mother of Gani and Hari.

4) There are three females and two married couple in the family.

Hence, Dinkar and Charan are brothers of Edward.

Draw the family tree using following notations:

Symbol in Diagram	Meaning
◯	Female
□	Male
═══	Married couple
———	Siblings
|	Difference of a Generation



Hence, Fancy is aunt of Vani.

27. Ans. A.

☐ Q lives on an even-numbered floor.

☐ Only two people live between the floors on which Q and V live.(There will be 3 cases: Q-6th floor, V- 3rd floor; Q- 4th floor, V-1st floor; Q- 2nd floor, V- 5th floor)

☐ S lives on a floor immediately above the floor on which R lives.

☐ S does not live on an odd-numbered floor.(S and R will get their positions in all the three cases)

☐ P does not live on a floor which is immediately above or immediately below the floor on which T lives. (First two cases eliminated)

☐ P does not live on the lowermost floor, i.e., floor no. 1.

From the given conditions, we can conclude:

Person	Floor
P	6
V	5
S	4
R	3
Q	2
T	1

Hence R and S live on the floors exactly between the floors on which Q and V live.

28. Ans. D.

☐ Q lives on an even-numbered floor.

☐ Only two people live between the floors on which Q and V live.(There will be 3 cases: Q-6th floor, V- 3rd floor; Q- 4th floor, V-1st floor; Q- 2nd floor, V- 5th floor)

☐ S lives on a floor immediately above the floor on which R lives.

☐ S does not live on an odd-numbered floor.(S and R will get their positions in all the three cases)

☐ P does not live on a floor which is immediately above or immediately below the floor on which T lives. (First two cases eliminated)

☐ P does not live on the lowermost floor, i.e., floor no. 1.

From the given conditions, we can conclude:

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Person	Floor
P	6
V	5
S	4
R	3
Q	2
T	1

Hence V lives on the 5th floor.

29. Ans. C.

☐ Q lives on an even-numbered floor.

☐ Only two people live between the floors on which Q and V live.(There will be 3 cases: Q-6th floor, V- 3rd floor; Q- 4th floor, V-1st floor; Q- 2nd floor, V- 5th floor)

☐ S lives on a floor immediately above the floor on which R lives.

☐ S does not live on an odd-numbered floor.(S and R will get their positions in all the three cases)

☐ P does not live on a floor which is immediately above or immediately below the floor on which T lives. (First two cases eliminated)

☐ P does not live on the lowermost floor, i.e., floor no. 1.

From the given conditions, we can conclude:

Person	Floor
P	6
V	5
S	4
R	3
Q	2
T	1

Hence T lives on the first floor.

30. Ans. A.

☐ Q lives on an even-numbered floor.

☐ Only two people live between the floors on which Q and V live.(There will be 3 cases: Q-6th floor, V- 3rd floor; Q- 4th floor, V-1st floor; Q- 2nd floor, V- 5th floor)

☐ S lives on a floor immediately above the floor on which R lives.

☐ S does not live on an odd-numbered floor.(S and R will get their positions in all the three cases)

☐ P does not live on a floor which is immediately above or immediately below the floor on which T lives. (First two cases eliminated)

☐ P does not live on the lowermost floor, i.e., floor no. 1.

From the given conditions, we can conclude:

Person	Floor
P	6
V	5
S	4
R	3
Q	2
T	1

Hence P lives on top floor (6th floor) hence no one lives above the floor on which P live.

31. Ans. B.

S N E 7 R % F 9 D 6 # G I $ 4 F H * 3 10 L 5 A @ 11 B Y & Z

There are two such consonants = N and G

Therefore, Option 'B' is the correct answer.

32. Ans. D.

S N E 7 R % F 9 D 6 # G I $ 4 F H * 3 10 L 5 A @ 11 B Y & Z

There are three such consonants = R, H and Y

Therefore, Option 'D' is the correct answer.

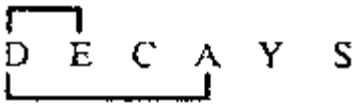
33. Ans. A.

Left of left = 16 – 8 = 8th from the left

8th character from the left = 9

herefore, Option 'A' is the correct answer.

34. Ans. B.



35. Ans. B.

Total number of students = (Position of Andrew from left + Position of Andrew from right) – 1

Total number of students = (32 + 41) – 1 = 72

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