

**SBI Clerk & LIC Exam 2022**  
**Top 70 Syllogism &**  
**Input-output Questions**  
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**Direction (1-5):** A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

**Input:** 24 black 43 blue 38 yellow green 85 pink 67

**Step I :** yellow black 43 blue 38 green 85 pink 67 42

**Step II :** pink yellow black 43 blue green 85 67 42 83

**Step III :** green pink yellow black blue 85 67 42 83 34

**Step IV :** blue green pink yellow black 85 42 83 34 76

**Step V :** black blue green pink yellow 42 83 34 76 58

**Step VI :** black blue green pink yellow 34 42 58 76 83

And step VI is the last step of the arrangement.

As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below.

**Input:** 97 horse balloon 45 hyena 72 leopard 12 33 sheep

1. How many numbers are greater than the average of all numbers in Step IV?  
A. Two                      B. Three  
C. Four                     D. Five  
E. One
2. How many elements are there between third word from right end and second number from the left end in Step V?  
A. Two                      B. Six  
C. Five                      D. Three  
E. Four
3. Which of the following will be the third step?  
A. hyena leopard sheep 79 horse balloon 72 21 33 54  
B. hyena leopard sheep 97 horse balloon 27 21 33 45  
C. hyena leopard sheep 97 horse balloon 72 21 33 54  
D. hyena leopard sheep 97 horse balloon 72 12 33 45  
E. hyena leopard sheep 79 horse balloon 27 21 33 54

4. Which element lies third to the right of the one which is fifth from the left in Step II?  
A. 33                              B. 72  
C. Hyena                        D. Leopard  
E. Horse
5. What is the sum of the all numbers in Step III?  
A. 232                            B. 277  
C. 182                            D. 168  
E. 276

**Direction (6-10):** A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

**Input:** problem 21 education page 26 13 coat 16 17 fail star 22

**Step I:** page problem 21 education 26 coat 16 17 fail star 22 131

**Step II:** fail page problem 21 education 26 coat 16 star 22 131 172

**Step III:** problem fail page education 26 coat 16 star 22 131 172 213

**Step IV:** education problem fail page 26 coat star 22 131 172 213 164

**Step V:** star education problem fail page 26 coat 131 172 213 164 225

**Step VI:** coat star education problem fail page 131 172 213 164 225 266

Step VI is the last step of the above input, as the desired arrangement is obtained.

As per the rule followed in the above steps, find out in each of the following questions the appropriate step for the given input.

**Input:** expect work 34 19 manage 12 dear 23 15 family 26 dream

6. In which of the following step "34 12 dear" are in that particular order?  
A. Step II                      B. Step III  
C. Step I and II            D. Step II and III  
E. Step V
7. What is the sum of the number which is 1<sup>st</sup> and 2<sup>nd</sup> from the right end in step IV?  
A. 355                            B. 35  
C. 357                            D. 42  
E. 58



8. How many elements are there between "12" and "family" in the step III?  
A. 0                                      B. 1  
C. 2                                      D. 3  
E. 4
9. Which of the following element is 5<sup>th</sup> from the right of the one which is 3<sup>rd</sup> from the left end in the last step?  
A. 192                                      B. 151  
C. 22                                      D. 26  
E. Manage
10. In step I, "expect" is related to "19" and in step III, "work" is related to "34" then which of the following is related to "family" in the step V?  
A. Dream                                      B. Work  
C. Except                                      D. 233  
E. 124

**Direction (11-15):** A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

(All the numbers are two-digit number and are arranged as per same logic based on the value of the number)

**Input:** Sweet 19 enjoy 33 light yellow 25 ink 22 Orange 37 ant 46 32

**Step I:** 19 Orange Sweet enjoy 33 light yellow 25 ink 22 37 ant 46 32

**Step II:** 19 Orange 46 yellow Sweet enjoy 33 light 25 ink 22 37 ant 32

**Step III:** 19 Orange 46 yellow 25 ink Sweet enjoy 33 light 22 37 ant 32

**Step IV:** 19 Orange 46 yellow 25 ink 32 Sweet enjoy 33 light 22 37 ant

**Step V:** 19 Orange 46 yellow 25 ink 32 Sweet 33 enjoy light 22 37 ant

**Step VI:** 19 Orange 46 yellow 25 ink 32 Sweet 33 enjoy 22 light 37 ant

Step VI is the last step of the arrangement

As per the rules followed in above steps, find out in each of the following questions the appropriate steps for the given

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

- (All the numbers given in the arrangement are two digit numbers.)
11. How many steps will be required to complete the rearrangement?  
A. Four                                      B. Five  
C. Six                                      D. Seven  
E. None of these
12. In which step will there be the following output?  
**03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41**  
A. step I                                      B. Step II  
C. Step III                                      D. Step IV  
E. Step V
13. Which of the following will be at the fifth position from the right in the last step?  
A. 08                                      B. support  
C. 41                                      D. elephant  
E. None of these
14. Which of the following represents the positions of '16' in step IV?  
A. 7 from left                                      B. 8 from right  
C. 5 from right                                      D. 8 from left  
E. None of these
15. Which element is third to the right of elephant in step V?  
A. 08                                      B. support  
C. repeat                                      D. 04  
E. 35

**Directions (16-20):** Study the following information and answer the questions given below it.

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:

**Input** 25, 93 as hill stamp bolt 45, 34, 63 total 13 alter rise

**Step I** alter 25, 93 as hill stamp bolt 45, 34, 63 total rise 13

**Step II** alter as 93 hill stamp bolt 45, 34, 63 total rise 25, 13

**Step III** alter as bolt 93 hill stamp 45, 63 total rise 34, 25, 13

**Step IV** alter as bolt hill 93 stamp 63 total rise 45, 34, 25, 13

**Step V** alter as bolt hill rise 93 stamp total 63, 45, 34, 25, 13



**Step VI** alter as bolt hill rise stamp total  
93, 63, 45, 34, 25, 13

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the above steps, find out in each of the following questions, the appropriate steps for the given input.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

16. What is the position of '47' in the final step?
  - A. Fifth from the left end
  - B. Seventh from the left end
  - C. Sixth from the left end
  - D. Fifth from the right end
  - E. Seventh from the right end
17. Which of the following is fifth from the left end of Step V in the above arrangement?
  - A. Kite
  - B. Ropes
  - C. Strong
  - D. 35
  - E. None of these
18. What is the position of 'in' in Step IV?
  - A. Fourth from the left end
  - B. Third from the right end
  - C. Second from the left end
  - D. Third from the left end
  - E. Fifth from the left end
19. Which of the following is the second last step of the given input?
  - A. Ample blue in kite strong ropes 77, 57, 47, 35, 33, 19, 12
  - B. Ample blue in kite ropes strong 12, 19, 33, 47, 57, 77
  - C. Strong ropes kite in blue ample 77, 57, 47, 35, 33, 19, 12
  - D. Ample blue in kite ropes strong 57, 77, 46, 35, 33, 19, 12
  - E. None of the above
20. How many steps are needed to complete this arrangement?
  - A. V
  - B. III
  - C. IV
  - D. VI
  - E. None of these

**Direction (21-25):** Study the following information to answer the given question.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement.

Input : science 87 72 chemistry thesis  
14 58 geometry digital 25

Step I : chemistry science 72 thesis 14  
58 geometry digital 25 87

Step II : digital chemistry science thesis  
14 58 geometry 25 87 72

Step III : geometry digital chemistry  
science thesis 14 25 87 72 58

Step IV : science geometry digital  
chemistry thesis 14 87 72 58 25

Step V : thesis science geometry digital  
chemistry 87 72 58 25 14

Step V is the last step of the input. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input : fisheries 53 anthropology 98 36  
jeans radical 16 hematology 74 botany  
selenographer 39 48

(All the numbers given in the arrangement are two-digit numbers.)

21. Which word/number would be 8th position from the right in step IV?
  - A. 16
  - B. radical
  - C. hematology
  - D. jeans
  - E. selenographer
22. Which step number would be the following output?  
botany anthropology fisheries 53 36  
jeans radical 16 hematology  
selenographer 39 48 98 74
  - A. There will be no such step
  - B. III
  - C. II
  - D. V
  - E. VI
23. Which of the following would be step VII?
  - A. selenographer radical jeans  
hematology fisheries botany  
anthropology 16 98 74 53 48 39 36
  - B. radical jeans hematology fisheries  
botany anthropology selenographer 16  
36 39 48 53 74 98



- C. selenographer radical jeans  
hematology fisheries botany  
anthropology 98 74 53 48 39 36 16  
D. selenographer radical jeans  
hematology fisheries botany  
anthropology 98 74 53 16 48 39 36  
E. There will be no such step
24. Which word/number would be at 6th position from the left in step V?  
A. 36                                      B. selenographer  
C. jeans                                      D. anthropology  
E. radical
25. Which of the following would be step III?  
A. fisheries botany anthropology 36  
jeans radical16 hematology  
selenographer 48 39 74 98 53  
B. fisheries botany anthropology 36  
jeans radical16 hematology  
selenographer 39 48 74 98 53  
C. fisheries botany anthropology 36  
jeans radical16 hematology  
selenographer 39 48 98 53 74  
D. fisheries botany anthropology 36  
jeans radical16 hematology  
selenographer 39 48 98 74 53  
E. None of these

**Direction (26-30):** A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

**Input:** pink for 25 72 white jar 12 96

**Step I:** 96 pink for 25 72 white jar 12

**Step II:** 96 for pink 25 72 white jar 12

**Step III:** 96 for 72 pink 25 white jar 12

**Step IV:** 96 for 72 jar pink 25 white 12

**Step V:** 96 for 72 jar 25 pink white 12

**Step VI:** 96 for 72 jar 25 pink 12 white and Step VI is the last step of the rearrangement as the desired arrangement is reached.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input. (All the numbers are two digit numbers.)

26. **Input:** 16 power failure 61 53 new cost 27  
How many steps will be required to complete the rearrangement?  
A. Six                                      B. Seven  
C. Five                                      D. Four  
E. None of these
27. **Step II of and Input:** 84 ask quit these 39 12 old 51  
Which of the following will definitely be the input?  
A. quit these 39 12 old 84 ask 51  
B. quit these 39 12 old 51 84 ask  
C. quit 84 these ask 39 12 old 51  
D. Cannot be determined  
E. None of these
28. **Step III of an Input:** 63 bed 58 never go home 46 28  
How many more steps will be required to complete the rearrangement?  
A. Four                                      B. Three  
C. Five                                      D. Six  
E. None of these
29. **Input:** rows 25 columns 39 46 fear star 72  
Which of the following steps will be the last but one?  
A. V    B. VI  
C. VII    D. VIII  
E. None of these
30. **Input:** ordinary 47 tablet 36 dry 91 32 handle  
Which of the following will be the Step VI?  
A. 91 dry 47 handle 36 32 ordinary tablet  
B. 91 dry 47 handle 36 ordinary 32 tablet  
C. 91 dry 47 handle 36 ordinary tablet 32  
D. There will be no such step  
E. None of these
- Direction (31-35):** Study the information given below and answer the questions based on it.  
A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step.





**Conclusions:**

- I. All yen are Yuan is a possibility.
- II. All Rupee are yen is a possibility.

**Statements:**

- A. Some Yen are Yuan. No Dollar is Yuan. All Rupee are yen.
- B. Some Yen are Yuan. Some Yuan are Dollar. No Yen is Rupee.
- C. All Yen are Yuan. Some Yen are Dollar. No Dollar is Rupee.
- D. Some Yen are Yuan. All Dollar are Yuan. No Dollar is Rupee.
- E. None

38. **Direction:** In the following question some conclusions have been given followed by some sets of possible statements. You have to take the given conclusions to be true even if they seem to be at variance with the commonly known facts and then decide for the given conclusions logically follows from the which of the given statements disregarding commonly known facts.

**Conclusions:**

- I. Some A are B.
- II. No C are D.
- A. Some D is C. No C is B. Some B are A.
- B. No D is B. Some B is C. Some C is A.
- C. Some A are C. All C is B. No B is D.
- D. All A is C. No C is B. All B is D.
- E. None is correct

39. **Direction:** In the following question some conclusions have been given followed by some sets of possible statements. You have to take the given conclusions to be true even if they seem to be at variance with the commonly known facts and then decide for the given conclusions logically follows from the which of the given statements disregarding commonly known facts.

**Conclusions:**

- I. No Pink is Yellow.
- II. Some Blue are Red.
- A. No Red is Yellow. Some Pink is Red. All Yellow is Blue.
- B. All Pink is Yellow. No Red is Yellow. All Red is Blue.

- C. All Yellow is Red. All Pink is Blue. No Red is Pink.
- D. All Pink is Red. Some Blue is Pink. No Red is Yellow.
- E. None is correct

40. **Direction:** In the following question some conclusions have been given followed by some sets of possible statements. You have to take the given conclusions to be true even if they seem to be at variance with the commonly known facts and then decide for the given conclusions logically follows from the which of the given statements disregarding commonly known facts.

**Conclusions:**

- I. Some TVS are Honda.
- II. No Hero is Bajaj.
- A. Some TVS is Bajaj. Some Bajaj is Honda. No Honda is Hero.
- B. All Hero is Honda. All Bajaj is TVS. No Honda is Bajaj.
- C. Some TVS is Hero. All Hero is Honda. No Honda is Bajaj.
- D. All Honda is Hero. No TVS is Hero. All TVS is Bajaj.
- E. None is correct.

41. **Direction:** In each of the questions below are given three statements 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 all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

- All buildings are rivers.
- All rivers are jungles.
- All jungles are mountains.

**Conclusions:**

- I. Some mountains are rivers.
- II. Some jungles are buildings
- A. Only conclusion I does not follow
- B. Only conclusion II does not follows
- C. Both conclusion I and conclusion II follows



D. Neither conclusion I or conclusion II follows  
E. None of the above

**Direction (42-46):** In each question below are three statements followed by two conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the three statements disregarding commonly known facts.

42. **Statements:**

All coconuts are palms.  
Some palms are pines.  
All pines are ferns.

**Conclusions:**

- I. Some ferns are coconuts.
  - II. Some ferns are palms.
- A. Only conclusion I follow
  - B. Only conclusion II follows
  - C. Either conclusion I or conclusion II follows
  - D. Neither conclusion I or conclusion II follows
  - E. Both conclusion I and conclusion II follows

43. In each of the questions below are given three statements 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 with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

Some roads are ponds.  
All ponds are stores.  
Some stores are bags.

**Conclusions:**

- I. Some bags are ponds.
  - II. Some stores are roads.
- A. only conclusion I follows
  - B. only conclusion II follows
  - C. either conclusion I or II follows
  - D. neither conclusion I nor II follows.
  - E. both conclusions I and II follow

44. In the following questions, a set of four statements is followed by five conclusions, one of which definitely does not follow (or is not a possibility of occurrence). Choose that conclusion as the answer.

**Statements:**

All runs are wides.  
All wides are balls.  
No ball is cricket.  
No cricket is batsman.

**Conclusions:**

- 1) All ball being batsman is a possibility.
  - 2) All batsman being run is a possibility.
  - 3) At least some run are cricket.
  - 4) At least some balls are runs.
  - 5) No cricket is wide.
- A. Only 1 does not follow
  - B. Only 2 does not follow
  - C. Only 3 does not follow
  - D. Only 4 does not follow
  - E. Only 5 does not follow

45. In the following questions, a set of four statements is followed by five conclusions, one of which definitely does not follow (or is not a possibility of occurrence). Choose that conclusion as the answer.

**Statements:**

No orange is a blue.  
All blue are red.  
All red are pink.  
No pink is a black.

**Conclusions:**

- 1) Some orange being pink is a possibility.
  - 2) Some blue are not pink.
  - 3) No blue is a black.
  - 4) No black is red.
  - 5) Some orange being red is a possibility.
- A. Only 1 does not follow
  - B. Only 2 does not follow
  - C. Only 3 does not follow
  - D. Only 4 does not follow
  - E. Only 5 does not follow



46. In the following questions, a set of four statements is followed by five conclusions, one of which definitely does not follow (or is not a possibility of occurrence). Choose that conclusion as the answer.

**Statements:**

All bananas are papayas.  
All apples are bananas.  
All oranges are apples.  
No papaya is a lemon.

**Conclusions:**

- 1) All oranges are papayas.
  - 2) At least some papayas are apples.
  - 3) All lemons being oranges is a possibility.
  - 4) No apple is a lemon.
  - 5) No banana is a lemon.
- A. Only 1 does not follow  
B. Only 2 does not follow  
C. Only 3 does not follow  
D. Only 4 does not follow  
E. Only 5 does not follow

47. Study the given statements and the conclusions carefully and answer the questions that follow.

**Statements-**

Some boxes are trees  
Some trees are horses  
All horses are fruits

**Conclusions-**

- I. Some fruits are boxes
  - II. Some fruits are trees
  - III. Some horses are boxes
  - IV. No fruit is a box
- A. None follows  
B. Only either II or IV follows  
C. Only either I or IV and II follows  
D. Only either I or III and IV follow  
E. None of these

48. Study the given statements and the conclusions carefully and answer the questions that follow.

**Statements-**

All flowers are buses  
Some buses are cats  
All cats are tigers

**Conclusions-**

- I. Some tigers are buses
  - II. Some tigers are flowers
  - III. Some cats are flowers
  - IV. Some buses are tigers
- A. None follows  
B. Only I and II follow  
C. Only III and IV follow  
D. Only I and IV follow  
E. Only II and III follow

49. **Direction:** Each question below, two/three statements are given followed by two conclusions number I and II. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

**Statements:**

All books are covers.  
All pages are books.  
No writer is a cover.

**Conclusions:**

- I. Some books being writers is a possibility.
  - II. At least some covers are pages.
- A. Only conclusion I follows.  
B. Only conclusion II follows.  
C. Either conclusion I or II follows.  
D. Neither conclusion I nor II follows.  
E. Both conclusion I and II follow.

50. **Directions:** In each of the questions below, two/three statements are given followed by two conclusions number I and II. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

**Statements:**

No computer is a mobile.  
Some laptops are mobiles.

**Conclusions:**

- I. No computer is a laptop.
- II. All laptops are computers.



- A. Only conclusion I follows.
  - B. Only conclusion II follows.
  - C. Either conclusion I or II follows.
  - D. Neither conclusion I nor II follows.
  - E. Both conclusion I and II follow.
51. **Direction:** Each question below, two/three statements are given followed by two conclusions number I and II. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.
- Statements:**  
Some green are blue.  
All blue are pink.
- Conclusions:**  
I. All green being pink is a possibility.  
II. All such green which are not pink can never be blue.
- A. Only conclusion I follows.
  - B. Only conclusion II follows.
  - C. Either conclusion I or II follows.
  - D. Neither conclusion I nor II follows.
  - E. Both conclusion I and II follow.
52. **Direction:** In each question, two/three statements are given followed by two conclusions number I and II. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.
- Statements:**  
All roads are busses.  
All busses are cars.  
No bus is a speed.
- Conclusions:**  
I. No speed is a car.  
II. At least some cars are roads.
- A. Only conclusion I follows.
  - B. Only conclusion II follows.
  - C. Either conclusion I or II follows.
  - D. Neither conclusion I nor II follows.
  - E. Both conclusion I and II follow.

53. **Direction:** Based on the given statement and few conclusions, choose the right statement which gives the correct conclusions.
- Statements:**  
1) No bus is a train.  
2) Some trains are Metro.  
3) All Metro are Bullet.
- Conclusions:**  
A) Some trains are bullet.  
B) No bus is a bullet.
- A. If only A follows
  - B. If both A and B follows
  - C. If either A or B follows
  - D. If only B follows
  - E. None of these
54. **Direction:** Based on the given statement and few conclusions, choose the right statement which gives the correct conclusions.
- Statements:**  
1) All teachers are sir.  
2) No teacher is a student.  
3) Some students are weak.
- Conclusions:**  
A) All weak being teacher is a possibility.  
B) All weak being sir is a possibility.
- A. Only B follows
  - B. Both follows
  - C. Only A follows
  - D. Either A or B follows
  - E. Neither A nor B follows
55. **Direction:** Based on the given statement and few conclusions, choose the right statement which gives the correct conclusions.
- Statements:**  
1) Some toys are plastic.  
2) No electronic is a plastic.  
3) Some electronics are gadgets.
- Conclusions:**  
A) Some gadgets are not plastic.  
B) All gadgets are electronic is a possibility.
- A. If only A follows
  - B. If both A and B follows
  - C. If either A or B follows
  - D. If only B follows
  - E. None of these



56. **Direction:** Based on the given statement and few conclusions, choose the right statement which gives the correct conclusions.

**Statements:**

- 1) All fans are cooler.
- 2) All cooler are AC
- 3) Some AC are window.

**Conclusions:**

- A. All cooler being window is a possibility.
- B. At least some fans are window.

- A. Only B follows
- B. Both follows
- C. Only A follows
- D. Either A or B follows
- E. Neither A nor B follows

57. **Direction:** Based on the given statement and few conclusions, choose the right statement which gives the correct conclusions.

**Statements:**

- 1) All boys are girls
- 2) All girls are women.
- 3) All women are humans.

**Conclusion:**

- A) All women being girls is a possibility.
- B) All humans are boys.
- A. If Only A follows
- B. If both A and B follows
- C. If either A or B follows
- D. If Only B follows
- E. None of these

58. **Direction:** Each question, two/three statements are given followed by two conclusions number I and II. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

**Statements:**

- Some apples are oranges.
- Some mangoes are apples.

**Conclusions:**

- I. All apples as well as oranges being mangoes is a possibility.
- II. All those apples that are mangoes are also oranges.

- A. Only conclusion I follows.
- B. Only conclusion II follows.
- C. Either conclusion I or II follows.
- D. Neither conclusion I nor II follows.
- E. Both conclusion I and II follow.

59. **Direction:** In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

- Some pairs are cold.
- All cold are hot.
- Some hot are clean.
- All clean are solid.

**Conclusions:**

- I. Some solid are hot.
- II. Some hot are pair.
- III. Some clean are pair.
- A. Only I and II follow
- B. Only I and III follow
- C. Only II and III follow
- D. All I, II and III follow
- E. None of these

60. **Directions:** In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

- All books are covers.
- All covers are pages.
- All pages are magazines.
- All magazines are notes.

**Conclusions:**

- I. Some notes are covers.
- II. Some magazines are pages.
- III. Some pages are books.



- A. Only I and II follow
  - B. Only I and III follow
  - C. Only II and III follow
  - D. All I, II and III follow
  - E. None of these
61. In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.
- Statements:**  
Some bikes are rides.  
All rides are ways.  
Some ways are speed.  
No speed is road.
- Conclusions:**  
I. Some roads are bikes.  
II. Some speed are rides.  
III. No road is bike.
- A. None follows
  - B. Only I follows
  - C. Only II follows
  - D. Only III follows
  - E. Only either I or III follows
62. In the following question, some statements followed by some conclusions are given. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows the given statements.
- Statements:**  
All desktops are time.  
Some time are hour.  
Some hours are mouses.  
All mouses are minutes.
- Conclusions:**  
I. Some minutes are time.  
II. Some minutes are hour.  
III. Some mouses are time.
- A. None follows
  - B. Only I follows
  - C. Only II follows
  - D. Only III follows
  - E. Only I and II follow

63. **Directions:** In each of the questions below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.
- Statements:**  
Some bottles are water.  
All water are mugs.  
All mugs are glasses.  
Some glasses are spoons.
- Conclusions:**  
I. Some spoons are water.  
II. Some glasses are bottles.  
III. Some glasses are water.
- A. Only I and II follow
  - B. Only I and III follow
  - C. Only II and III follow
  - D. All I, II and III follow
  - E. None of these
64. **Directions:** In each question below are given two/three statements 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 with commonly known facts and then decide which of the two conclusions logically follows from the given statements disregarding commonly known facts.
- Statements:**  
No table is computer.  
No phone is a table.
- Conclusions:**  
I. At least some phone are computers.  
II. All computers are phones.
- A. Only conclusion I follows.
  - B. Only conclusion II follows.
  - C. Either conclusion I or II follows.
  - D. Neither conclusion I nor II follows.
  - E. Both conclusions I and II follow.
65. **Directions:** In each question below are two/three Statements followed by two conclusions numbered I and II. You have



to take the two/three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. Give answers:

**Statements:**

- I. Some rats are fans.
- II. All tigers are fans.

**Conclusions:**

- I. All tigers being rats is a possibility
- II. No tiger is a rat.
- A. Only conclusion I follows
- B. Only conclusion II follows.
- C. Either conclusion I or conclusion II follows.
- D. Neither conclusion I nor conclusion II follows.
- E. Both conclusion I and conclusion II follow.

66. **Direction** In each of the following questions two/three statements are given and these statements are followed by two conclusions numbered (1) and (2). 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 two given statements, disregarding commonly known facts.

**Statements:** No triangle is a square.  
Some squares are rectangles.

**Conclusions:**

- I. No rectangle is a triangle
- II. Some rectangles are triangles.
- A. Only I conclusion follows
- B. Only II conclusion follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

67. **Direction:** In each question below are two statements followed by two conclusions numbered I and II. You have to take the two given statements to be true even if they seem to be at variance from commonly known facts and then

decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

- All rings are necklaces.
- No necklace is a bracelet.

**Conclusions:**

- I. No ring is a bracelet
- II. All necklaces are rings.
- A. If only conclusion I follows.
- B. If only conclusion II follows.
- C. If either conclusion I or conclusion II follows.
- D. If neither conclusion I nor conclusion II follows.
- E. If both conclusion I and II follows.

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

**Statement:**

- All cabins are rooms.
- All rooms are buildings.

**Conclusions:**

- I. All buildings are rooms
- II. All cabins are buildings.
- A. If only conclusion I follows.
- B. If only conclusion II follows.
- C. If either conclusion I or conclusion II follows.
- D. If neither conclusion I nor conclusion II follows.
- E. If both conclusion I and II follows.

69. **Direction:** In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.



**Statements:**

- Some bikes are cars.
- Some cars are trains.
- Some trains are trucks.
- Some trucks are roads

**Conclusions:**

- I. Some roads are trains.
  - II. Some trucks are bikes.
  - III. Some roads are cars.
  - IV. No truck is a bike.
- A. Only I follow  
 B. Only either I or III follows  
 C. Only either II or IV follows  
 D. Only II & IV follow  
 E. None of these

70. **Direction:** In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly

known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Statements:**

- All doors are beds.
- All flats are beds.
- All rooms are doors.
- Some beds are apartments.

**Conclusions:**

- I. Some apartments are rooms.
  - II. Some flats are rooms.
  - III. All rooms are beds.
  - IV. Some doors are apartments.
- A. Only I and III follow  
 B. Only III follows  
 C. Only II, III and IV follow  
 D. Only I, III and IV follow  
 E. None of these

### ANSWERS

1. Ans. A.

**The average of all numbers in Step IV is -  $(97 + 21 + 33 + 54 + 27)/5 = 46.4$**

**Hence, two numbers are greater than the average of all numbers in Step IV.**

**Solution:** In this question, the words are arranged in alphabetical order such that the words are first arranged in decreasing order and the next word comes before the last arranged word in the next step. The numbers of the input are arranged in increasing order and placed in the last place of the input as well as the positions of the numbers will also interchange and the next number will come after the last arranged number in the next step. Finally all the arranged numbers again placed in increasing order.

**Input: 97 horse balloon 45 hyena 72 leopard 12 33 sheep**

**Step I:** sheep 97 horse balloon 45 hyena 72 leopard 33 21

**Step II:** leopard sheep 97 horse balloon 45 hyena 72 21 33

**Step III:** hyena leopard sheep 97 horse balloon 72 21 33 54

**Step IV:** horse hyena leopard sheep 97 balloon 21 33 54 27

**Step V:** balloon horse hyena leopard sheep 21 33 54 27 79

**Step VI:** ballon horse hyena leopard sheep 21 27 33 54 79

**Then Step VI is the final step of the arrangement.**

2. Ans. C.

**Solution:** In this question, the words are arranged in alphabetical order such that the words are first arranged in decreasing order and the next word comes before the last arranged word in the next step. The numbers of the input are arranged in increasing order and placed in the last place of the input as well as the positions of the numbers will also interchange and the next number will come after the last arranged number in the next step. Finally all the arranged numbers again placed in increasing order.

**Input: 97 horse balloon 45 hyena 72 leopard 12 33 sheep**

**Step I:** sheep 97 horse balloon 45 hyena 72 leopard 33 21



**Step II:** leopard sheep 97 horse balloon 45 hyena 72 21 33

**Step III:** hyena leopard sheep 97 horse balloon 72 21 33 54

**Step IV:** horse hyena leopard sheep 97 balloon 21 33 54 27

**Step V:** balloon horse hyena leopard sheep 21 33 54 27 79

**Step VI:** ballon horse hyena leopard sheep 21 27 33 54 79

**Then Step VI is the final step of the arrangement.**

3. Ans. C.

**Step III: hyena leopard sheep 97 horse balloon 72 21 33 54**

**Solution:** In this question, the words are arranged in alphabetical order such that the words are first arrange in decreasing order and the next word comes before the last arranged word in the next step. The numbers of the input are arranged in increasing order and placed in the last place of the input as well as the positions of the numbers will also interchange and the next number will come after the last arrange number in the next step. Finally all the arranged numbers again placed in increasing order.

**Input: 97 horse balloon 45 hyena 72 leopard 12 33 sheep**

**Step I:** sheep 97 horse balloon 45 hyena 72 leopard 33 21

**Step II:** leopard sheep 97 horse balloon 45 hyena 72 21 33

**Step III:** hyena leopard sheep 97 horse balloon 72 21 33 54

**Step IV:** horse hyena leopard sheep 97 balloon 21 33 54 27

**Step V:** balloon horse hyena leopard sheep 21 33 54 27 79

**Step VI:** ballon horse hyena leopard sheep 21 27 33 54 79

**Then Step VI is the final step of the arrangement.**

4. Ans. B.

72 lies third to the right of the one which is fifth from the left in Step II

**Solution:** In this question, the words are arranged in alphabetical order such that the words are first arrange in decreasing order

and the next word comes before the last arranged word in the next step. The numbers of the input are arranged in increasing order and placed in the last place of the input as well as the positions of the numbers will also interchange and the next number will come after the last arrange number in the next step. Finally all the arranged numbers again placed in increasing order.

**Input: 97 horse balloon 45 hyena 72 leopard 12 33 sheep**

**Step I:** sheep 97 horse balloon 45 hyena 72 leopard 33 21

**Step II:** leopard sheep 97 horse balloon 45 hyena 72 21 33

**Step III:** hyena leopard sheep 97 horse balloon 72 21 33 54

**Step IV:** horse hyena leopard sheep 97 balloon 21 33 54 27

**Step V:** balloon horse hyena leopard sheep 21 33 54 27 79

**Step VI:** ballon horse hyena leopard sheep 21 27 33 54 79

**Then Step VI is the final step of the arrangement.**

5. Ans. B.

The sum of the all numbers in Step III is -  $97 + 72 + 21 + 33 + 54 = 277$

**Solution:** In this question, the words are arranged in alphabetical order such that the words are first arrange in decreasing order and the next word comes before the last arranged word in the next step. The numbers of the input are arranged in increasing order and placed in the last place of the input as well as the positions of the numbers will also interchange and the next number will come after the last arrange number in the next step. Finally all the arranged numbers again placed in increasing order.

**Input: 97 horse balloon 45 hyena 72 leopard 12 33 sheep**

**Step I:** sheep 97 horse balloon 45 hyena 72 leopard 33 21

**Step II:** leopard sheep 97 horse balloon 45 hyena 72 21 33

**Step III:** hyena leopard sheep 97 horse balloon 72 21 33 54



**Step IV:** horse hyena leopard sheep 97  
balloon 21 33 54 27

**Step V:** balloon horse hyena leopard sheep  
21 33 54 27 79

**Step VI:** ballon horse hyena leopard sheep  
21 27 33 54 79

**Then Step VI is the final step of the arrangement.**

6. Ans. D.

**Step II:** work manage expect **34 12 dear**  
23 family 26 dream 151 192

**Step III:** dream work manage expect **34 12**  
**dear** family 26 151 192 233

Hence, option D.

Words and numbers are arranging in each step. Words are arranged at the left end according to the last letter of the word in increasing order according to the alphabetical series. Numbers are arranged at the right end, first odd numbers are in increasing order then even numbers are in increasing order and add +1, +2, +3 like this till +6.

**Input:** expect work 34 19 manage 12 dear  
23 15 family 26 dream

**Step I:** manage expect work 34 19 12 dear  
23 family 26 dream 151

**Step II:** work manage expect 34 12 dear 23  
family 26 dream 151 192

**Step III:** dream work manage expect 34 12  
dear family 26 151 192 233

**Step IV:** dear dream work manage expect  
34 family 26 151 192 233 124

**Step V:** expect dear dream work manage 34  
family 151 192 233 124 265

**Step VI:** family expect dear dream work  
manage 151 192 233 124 265 346

7. Ans. C.

**Step IV:** dear dream work manage expect  
34 family 26 151 192 **233 124**  
 $233+124=357$

Hence, option C.

Words and numbers are arranging in each step. Words are arranged at the left end according to the last letter of the word in increasing order according to the alphabetical series. Numbers are arranged at the right end, first odd numbers are in increasing order then even numbers are in increasing order and add +1, +2, +3 like this till +6.

**Input:** expect work 34 19 manage 12 dear  
23 15 family 26 dream

**Step I:** manage expect work 34 19 12 dear  
23 family 26 dream 151

**Step II:** work manage expect 34 12 dear 23  
family 26 dream 151 192

**Step III:** dream work manage expect 34 12  
dear family 26 151 192 233

**Step IV:** dear dream work manage expect  
34 family 26 151 192 233 124

**Step V:** expect dear dream work manage 34  
family 151 192 233 124 265

**Step VI:** family expect dear dream work  
manage 151 192 233 124 265 346

8. Ans. B.

**Step III:** dream work manage expect 34 12  
dear family 26 151 192 233

Hence, option B.

Words and numbers are arranging in each step. Words are arranged at the left end according to the last letter of the word in increasing order according to the alphabetical series. Numbers are arranged at the right end, first odd numbers are in increasing order then even numbers are in increasing order and add +1, +2, +3 like this till +6.

**Input:** expect work 34 19 manage 12 dear  
23 15 family 26 dream

**Step I:** manage expect work 34 19 12 dear  
23 family 26 dream 151

**Step II:** work manage expect 34 12 dear 23  
family 26 dream 151 192

**Step III:** dream work manage expect 34 12  
dear family 26 151 192 233

**Step IV:** dear dream work manage expect  
34 family 26 151 192 233 124

**Step V:** expect dear dream work manage 34  
family 151 192 233 124 265

**Step VI:** family expect dear dream work  
manage 151 192 233 124 265 346

9. Ans. A.

**Step VI:** family expect dear dream work  
manage 151 **192** 233 124 265 346

Hence, option A.

Words and numbers are arranging in each step. Words are arranged at the left end according to the last letter of the word in increasing order according to the alphabetical series. Numbers are arranged at the right



end, first odd numbers are in increasing order then even numbers are in increasing order and add +1, +2, +3 like this till +6.

**Input:** expect work 34 19 manage 12 dear 23 15 family 26 dream

**Step I:** manage expect work 34 19 12 dear 23 family 26 dream 151

**Step II:** work manage expect 34 12 dear 23 family 26 dream 151 192

**Step III:** dream work manage expect 34 12 dear family 26 151 192 233

**Step IV:** dear dream work manage expect 34 family 26 151 192 233 124

**Step V:** expect dear dream work manage 34 family 151 192 233 124 265

**Step VI:** family expect dear dream work manage 151 192 233 124 265 346

10. Ans. D.  
"work" is 3<sup>rd</sup> to the left of "family" in step V. Hence, option B.  
Words and numbers are arranging in each step. Words are arranged at the left end according to the last letter of the word in increasing order according to the alphabetical series. Numbers are arranged at the right end, first odd numbers are in increasing order then even numbers are in increasing order and add +1, +2, +3 like this till +6.

**Input:** expect work 34 19 manage 12 dear 23 15 family 26 dream

**Step I:** manage expect work 34 19 12 dear 23 family 26 dream 151

**Step II:** work manage expect 34 12 dear 23 family 26 dream 151 192

**Step III:** dream work manage expect 34 12 dear family 26 151 192 233

**Step IV:** dear dream work manage expect 34 family 26 151 192 233 124

**Step V:** expect dear dream work manage 34 family 151 192 233 124 265

**Step VI:** family expect dear dream work manage 151 192 233 124 265 346

11. Ans. D.  
The arrangement machine rearranges one number followed by a word in each step. In Step I it rearranges a least odd no. first which is followed by a vowels (in reverse alphabetical order). In step II it rearranges a highest even no. which is followed by

consonant (in reverse alphabetical order). The process get repeated so on.

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

**Step I:** 03 union 24 elephant support 08 very 19 04 repeat 16 arrangement on 35 toy 41

**Step II:** 03 union 24 very elephant support 08 19 04 repeat 16 arrangement on 35 toy 41

**Step III:** 03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41

**Step IV:** 03 union 24 very 19 on 16 toy elephant support 08 04 repeat arrangement 35 41

**Step V:** 03 union 24 very 19 on 16 toy 35 elephant support 08 04 repeat arrangement 41

**Step VI:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 04 repeat arrangement 41

**Step VII:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 41 arrangements 04 repeat

12. Ans. C.  
The arrangement machine rearranges one number followed by a word in each step. In Step I it rearranges a least odd no. first which is followed by a vowels (in reverse alphabetical order). In step II it rearranges a highest even no. which is followed by consonant (in reverse alphabetical order). The process get repeated so on.

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

**Step I:** 03 union 24 elephant support 08 very 19 04 repeat 16 arrangement on 35 toy 41

**Step II:** 03 union 24 very elephant support 08 19 04 repeat 16 arrangement on 35 toy 41

**Step III:** 03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41

**Step IV:** 03 union 24 very 19 on 16 toy elephant support 08 04 repeat arrangement 35 41



**Step V:** 03 union 24 very 19 on 16 toy 35 elephant support 08 04 repeat arrangement 41

**Step VI:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 04 repeat arrangement 41

**Step VII:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 41 arrangements 04 repeat

13. Ans. B.

The arrangement machine rearranges one number followed by a word in each step. In Step I it rearranges a least odd no. first which is followed by a vowels (in reverse alphabetical order). In step II it rearranges a highest even no. which is followed by consonant (in reverse alphabetical order). The process get repeated so on.

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

**Step I:** 03 union 24 elephant support 08 very 19 04 repeat 16 arrangement on 35 toy 41

**Step II:** 03 union 24 very elephant support 08 19 04 repeat 16 arrangement on 35 toy 41

**Step III:** 03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41

**Step IV:** 03 union 24 very 19 on 16 toy elephant support 08 04 repeat arrangement 35 41

**Step V:** 03 union 24 very 19 on 16 toy 35 elephant support 08 04 repeat arrangement 41

**Step VI:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 04 repeat arrangement 41

**Step VII:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 41 arrangements 04 repeat

14. Ans. A.

The arrangement machine rearranges one number followed by a word in each step. In Step I it rearranges a least odd no. first which is followed by a vowels (in reverse alphabetical order). In step II it rearranges a highest even no. which is followed by consonant (in reverse alphabetical order).

The process get repeated so on.

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

**Step I:** 03 union 24 elephant support 08 very 19 04 repeat 16 arrangement on 35 toy 41

**Step II:** 03 union 24 very elephant support 08 19 04 repeat 16 arrangement on 35 toy 41

**Step III:** 03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41

**Step IV:** 03 union 24 very 19 on 16 toy elephant support 08 04 repeat arrangement 35 41

**Step V:** 03 union 24 very 19 on 16 toy 35 elephant support 08 04 repeat arrangement 41

**Step VI:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 04 repeat arrangement 41

**Step VII:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 41 arrangements 04 repeat

15. Ans. D.

The arrangement machine rearranges one number followed by a word in each step. In Step I it rearranges a least odd no. first which is followed by a vowels (in reverse alphabetical order). In step II it rearranges a highest even no. which is followed by consonant (in reverse alphabetical order). The process get repeated so on.

**Input:** 24 elephant support 08 very union 19 04 repeat 16 arrangement on 35 toy 03 41

**Step I:** 03 union 24 elephant support 08 very 19 04 repeat 16 arrangement on 35 toy 41

**Step II:** 03 union 24 very elephant support 08 19 04 repeat 16 arrangement on 35 toy 41

**Step III:** 03 union 24 very 19 on elephant support 08 04 repeat 16 arrangement 35 toy 41

**Step IV:** 03 union 24 very 19 on 16 toy elephant support 08 04 repeat arrangement 35 41

**Step V:** 03 union 24 very 19 on 16 toy 35 elephant support 08 04 repeat arrangement 41



**Step VI:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 04 repeat arrangement 41

**Step VII:** 03 union 24 very 19 on 16 toy 35 elephant 08 support 41 arrangements 04 repeat

16. Ans. D.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

Step I - ample ropes 33 strong 35 19 in blue kite 47, 77, 57, 12

Step II- ample blue ropes 33 strong 35 in kite 47, 77, 57, 19, 12

Step III- ample blue in rope strong 35 kite 47, 77, 57, 33, 19, 12

Step IV- ample blue in kite rope strong 47, 77, 57, 35, 33, 19, 12

Step V- ample blue in kite rope strong 77, 57, 47, 35, 33, 19, 12

17. Ans. B.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

Step I - ample ropes 33 strong 35 19 in blue kite 47, 77, 57, 12

Step II- ample blue ropes 33 strong 35 in kite 47, 77, 57, 19, 12

Step III- ample blue in rope strong 35 kite 47, 77, 57, 33, 19, 12

Step IV- ample blue in kite rope strong 47, 77, 57, 35, 33, 19, 12

Step V- ample blue in kite rope strong 77, 57, 47, 35, 33, 19, 12

18. Ans. D.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

Step I - ample ropes 33 strong 35 19 in blue kite 47, 77, 57, 12

Step II- ample blue ropes 33 strong 35 in kite 47, 77, 57, 19, 12

Step III- ample blue in rope strong 35 kite 47, 77, 57, 33, 19, 12

Step IV- ample blue in kite rope strong 47, 77, 57, 35, 33, 19, 12

Step V- ample blue in kite rope strong 77, 57, 47, 35, 33, 19, 12

19. Ans. E.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

Step I - ample ropes 33 strong 35 19 in blue kite 47, 77, 57, 12

Step II- ample blue ropes 33 strong 35 in kite 47, 77, 57, 19, 12

Step III- ample blue in rope strong 35 kite 47, 77, 57, 33, 19, 12

Step IV- ample blue in kite rope strong 47, 77, 57, 35, 33, 19, 12

Step V- ample blue in kite rope strong 77, 57, 47, 35, 33, 19, 12

20. Ans. A.

**Input** ropes 12, 33 strong 35, 19 in blue ample kite 47, 77, 57

Step I - ample ropes 33 strong 35 19 in blue kite 47, 77, 57, 12

Step II- ample blue ropes 33 strong 35 in kite 47, 77, 57, 19, 12

Step III- ample blue in rope strong 35 kite 47, 77, 57, 33, 19, 12

Step IV- ample blue in kite rope strong 47, 77, 57, 35, 33, 19, 12

Step V- ample blue in kite rope strong 77, 57, 47, 35, 33, 19, 12

21. Ans. B.

'radical' would be at 8th position from the right in step IV.

In the above rearrangement, the words are arranged alphabetical order in each step and the numbers are arranged in descending order in each step till final step.

Input: fisheries 53 anthropology 98 36 jeans radical 16 hematology 74 botany selenographer 39 48

Step I: anthropology fisheries 53 36 jeans radical 16 hematology 74 botany selenographer 39 48 98

Step II: botany anthropology fisheries 53 36 jeans radical 16 hematology selenographer 39 48 98 74

Step III: fisheries botany anthropology 36 jeans radical 16 hematology selenographer 39 48 98 74 53

Step IV: hematology fisheries botany anthropology 36 jeans radical 16 selenographer 39 98 74 53 48

Step V: jeans hematology fisheries botany anthropology 36 radical 16 selenographer 98 74 53 48 39

Step VI: radical jeans hematology fisheries botany anthropology 16 selenographer 98 74 53 48 39 36



Step VII: selenographer radical jeans  
hematology fisheries botany anthropology 98  
74 53 48 39 36 16

22. Ans. C.

botany anthropology fisheries 53 36 jeans  
radical 16 hematology selenographer 39 48  
98 74 is II step of input.

In the above rearrangement, the words are  
arranged alphabetical order in each step and  
the numbers are arranged in descending  
order in each step till final step.

Input: fisheries 53 anthropology 98 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48

Step I: anthropology fisheries 53 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48 98

Step II: botany anthropology fisheries 53 36  
jeans radical 16 hematology selenographer  
39 48 98 74

Step III: fisheries botany anthropology 36  
jeans radical 16 hematology selenographer  
39 48 98 74 53

Step IV: hematology fisheries botany  
anthropology 36 jeans radical 16  
selenographer 39 98 74 53 48

Step V: jeans hematology fisheries botany  
anthropology 36 radical 16 selenographer 98  
74 53 48 39

Step VI: radical jeans hematology fisheries  
botany anthropology 16 selenographer 98 74  
53 48 39 36

Step VII: selenographer radical jeans  
hematology fisheries botany anthropology 98  
74 53 48 39 36 16

23. Ans. C.

selenographer radical jeans hematology  
fisheries botany anthropology 98 74 53 48  
39 36 16 is VII step.

In the above rearrangement, the words are  
arranged alphabetical order in each step and  
the numbers are arranged in descending  
order in each step till final step.

Input: fisheries 53 anthropology 98 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48

Step I: anthropology fisheries 53 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48 98

Step II: botany anthropology fisheries 53 36  
jeans radical 16 hematology selenographer  
39 48 98 74

Step III: fisheries botany anthropology 36  
jeans radical 16 hematology selenographer  
39 48 98 74 53

Step IV: hematology fisheries botany  
anthropology 36 jeans radical 16  
selenographer 39 98 74 53 48

Step V: jeans hematology fisheries botany  
anthropology 36 radical 16 selenographer 98  
74 53 48 39

Step VI: radical jeans hematology fisheries  
botany anthropology 16 selenographer 98 74  
53 48 39 36

Step VII: selenographer radical jeans  
hematology fisheries botany anthropology 98  
74 53 48 39 36 16

24. Ans. A.

'36' would be at 6th position from the left in  
step V.

In the above rearrangement, the words are  
arranged alphabetical order in each step and  
the numbers are arranged in descending  
order in each step till final step.

Input: fisheries 53 anthropology 98 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48

Step I: anthropology fisheries 53 36 jeans  
radical 16 hematology 74 botany  
selenographer 39 48 98

Step II: botany anthropology fisheries 53 36  
jeans radical 16 hematology selenographer  
39 48 98 74

Step III: fisheries botany anthropology 36  
jeans radical 16 hematology selenographer  
39 48 98 74 53

Step IV: hematology fisheries botany  
anthropology 36 jeans radical 16  
selenographer 39 98 74 53 48

Step V: jeans hematology fisheries botany  
anthropology 36 radical 16 selenographer 98  
74 53 48 39

Step VI: radical jeans hematology fisheries  
botany anthropology 16 selenographer 98 74  
53 48 39 36

Step VII: selenographer radical jeans  
hematology fisheries botany anthropology 98  
74 53 48 39 36 16



25. Ans. D.

fisheries botany anthropology 36 jeans radical 16 hematology selenographer 39 48 98 74 53 is III step of input.

In the above rearrangement, the words are arranged alphabetical order in each step and the numbers are arranged in descending order in each step till final step.

Input: fisheries 53 anthropology 98 36 jeans radical 16 hematology 74 botany selenographer 39 48

Step I: anthropology fisheries 53 36 jeans radical 16 hematology 74 botany selenographer 39 48 98

Step II: botany anthropology fisheries 53 36 jeans radical 16 hematology selenographer 39 48 98 74

Step III: fisheries botany anthropology 36 jeans radical 16 hematology selenographer 39 48 98 74 53

Step IV: hematology fisheries botany anthropology 36 jeans radical 16 selenographer 39 98 74 53 48

Step V: jeans hematology fisheries botany anthropology 36 radical 16 selenographer 98 74 53 48 39

Step VI: radical jeans hematology fisheries botany anthropology 16 selenographer 98 74 53 48 39 36

Step VII: selenographer radical jeans hematology fisheries botany anthropology 98 74 53 48 39 36 16

26. Ans. A.

Input: 16 power failure 61 53 new cost 27

Step I : 61 16 power failure 53 new cost 27

Step II: 61 cost 16 power failure 53 new 27

Step III: 61 cost 53 16 power failure new 27

Step IV: 61 cost 53 failure 16 power new 27

Step V: 61 cost 53 failure 27 16 power new

Step VI: 61 cost 53 failure 27 new 16 power

Hence Option A is correct

27. Ans. D.

The input cannot be determined.

Hence Option D is correct

28. Ans. A.

**Step III of an Input:** 63 bed 58 never go home 46 28

Step IV: 63 bed 58 go never home 46 28

Step V: 63 bed 58 go 46 never home 28

Step VI: 63 bed 58 go 46 home never 28

Step V: 63 bed 58 go 46 home 28 never

Hence Option A is correct

29. Ans. E.

**Input:** rows 25 columns 39 46 fear star 72

Step I: 72 rows 25 columns 39 46 fear star

Step II: 72 columns rows 25 39 46 fear star

Step III: 72 columns 46 rows 25 39 fear star

**Step IV: 72 columns 46 fear rows 25 39 star**

Step V: 72 columns 46 fear 39 rows 25 star

Thus IV step is last but one

Hence Option E is correct

30. Ans. B.

**Input:** ordinary 47 tablet 36 dry 91 32 handle

Step I: 91 ordinary 47 tablet 36 dry 32 handle

Step II: 91 dry ordinary 47 tablet 36 32 handle

Step III: 91 dry 47 ordinary tablet 36 32 handle

Step IV: 91 dry 47 handle ordinary tablet 36 32

Step V: 91 dry 47 handle 36 ordinary tablet 32

**Step VI: 91 dry 47 handle 36 ordinary 32 tablet**

Hence Option B is correct

31. Ans. D.

**As seen from the solution, in the step IV, 73 and running has 6 elements. So, it has 6 elements.**

Now, in the illustration a word and number is being rearranged in each step. In step I, the number with the minimum difference is placed to the extreme left hand side i.e. '21' ( $2-1 = 1$ ) and the word with minimum difference between the consonants and vowels is placed to the extreme right hand side i.e. 'music' (No. of consonants - No. of vowels i.e.  $3-2 = 1$ ). In step II, the number with the greater difference is placed ahead of the previous number i.e. '21 64' (as '64' has  $6-4 = 2$ ) and the word with the greater difference between the constants and vowels is placed to the extreme right hand side i.e. 'music king' (as 'king' has No. of constants - No. of vowels i.e.  $3-1 = 2$ ) and so on.



**Input: freedom 82 31 branch 73 running 50 kettle strength 52 mystery 87**

Step I: 87 82 31 branch 73 running 50 kettle strength 52 mystery freedom

Step II: 87 31 82 branch 73 running 50 strength 52 mystery freedom kettle

Step III: 87 31 52 82 branch 73 50 strength mystery freedom kettle running

Step IV: 87 31 52 73 82 50 strength mystery freedom kettle running branch

Step V: 87 31 52 73 50 82 strength freedom kettle running branch mystery

Step VI: 87 31 52 73 50 82 freedom kettle running branch mystery strength

32. Ans. B.

**As seen from the solution, in the step IV, 73 and running has 6 elements. So, it has 6 elements.**

Now, in the illustration a word and number is being rearranged in each step. In step I, the number with the minimum difference is placed to the extreme left hand side i.e. '21' ( $2-1 = 1$ ) and the word with minimum difference between the consonants and vowels is placed to the extreme right hand side i.e. 'music' (No. of consonants - No. of vowels i.e.  $3-2 = 1$ ). In step II, the number with the greater difference is placed ahead of the previous number i.e. '21 64' (as '64' has  $6-4 = 2$ ) and the word with the greater difference between the constants and vowels is placed to the extreme right hand side i.e. 'music king' (as 'king' has No. of constants - No. of vowels i.e.  $3-1 = 2$ ) and so on.

**Input: freedom 82 31 branch 73 running 50 kettle strength 52 mystery 87**

Step I: 87 82 31 branch 73 running 50 kettle strength 52 mystery freedom

Step II: 87 31 82 branch 73 running 50 strength 52 mystery freedom kettle

Step III: 87 31 52 82 branch 73 50 strength mystery freedom kettle running

Step IV: 87 31 52 73 82 50 strength mystery freedom kettle running branch

Step V: 87 31 52 73 50 82 strength freedom kettle running branch mystery

Step VI: 87 31 52 73 50 82 freedom kettle running branch mystery strength

33. Ans. C.

**As seen from the solution that third to the left of the element which is fifth from the left in the step V means that 3rd element from the left hand side (we subtract (5-2) element if they have same sides i.e. left and left), i.e. number '52'.**

Now, in the illustration a word and number is being rearranged in each step. In step I, the number with the minimum difference is placed to the extreme left hand side i.e. '21' ( $2-1 = 1$ ) and the word with minimum difference between the constants and vowels is placed to the extreme right hand side i.e. 'music' (No. of constants - No. of vowels i.e.  $3-2 = 1$ ). In step II, the number with the greater difference is placed ahead of the previous number i.e. '21 64' (as '64' has  $6-4 = 2$ ) and the word with the greater difference between the constants and vowels is placed to the extreme right hand side i.e. 'music king' (as 'king' has No. of constants - No. of vowels i.e.  $3-1 = 2$ ) and so on.

**Input: freedom 82 31 branch 73 running 50 kettle strength 52 mystery 87**

Step I: 87 82 31 branch 73 running 50 kettle strength 52 mystery freedom

Step II: 87 31 82 branch 73 running 50 strength 52 mystery freedom kettle

Step III: 87 31 52 82 branch 73 50 strength mystery freedom kettle running

Step IV: 87 31 52 73 82 50 strength mystery freedom kettle running branch

Step V: 87 31 52 73 50 82 strength freedom kettle running branch mystery

Step VI: 87 31 52 73 50 82 freedom kettle running branch mystery strength

34. Ans. A.

**As seen from the solution, the numbers '73' and '50' are exactly between the words 'branch' and 'strength'.**

Now, in the illustration a word and number is being rearranged in each step. In step I, the number with the minimum difference is placed to the extreme left hand side i.e. '21' ( $2-1 = 1$ ) and the word with minimum difference between the constants and vowels is placed to the extreme right hand side i.e.



'music' (No. of constants - No. of vowels i.e.  $3-2 = 1$ ). In step II, the number with the greater difference is placed ahead of the previous number i.e. '21 64' (as '64' has  $6-4 = 2$ ) and the word with the greater difference between the constants and vowels is placed to the extreme right hand side i.e. 'music king' (as 'king' has No. of constants - No. of vowels i.e.  $3-1 = 2$ ) and so on.

**Input: freedom 82 31 branch 73 running 50 kettle strength 52 mystery 87**

Step I: 87 82 31 branch 73 running 50 kettle strength 52 mystery freedom

Step II: 87 31 82 branch 73 running 50 strength 52 mystery freedom kettle

Step III: 87 31 52 82 branch 73 50 strength mystery freedom kettle running

Step IV: 87 31 52 73 82 50 strength mystery freedom kettle running branch

Step V: 87 31 52 73 50 82 strength freedom kettle running branch mystery

Step VI: 87 31 52 73 50 82 freedom kettle running branch mystery strength

35. Ans. C.

**As seen from the solution, the penultimate step means the second last step of the combination i.e. step V 87 31 52 73 50 82 strength freedom kettle running branch mystery**

Now, in the illustration a word and number is being rearranged in each step. In step I, the number with the minimum difference is placed to the extreme left hand side i.e. '21' ( $2-1 = 1$ ) and the word with minimum difference between the constants and vowels is placed to the extreme right hand side i.e. 'music' (No. of constants - No. of vowels i.e.  $3-2 = 1$ ). In step II, the number with the greater difference is placed ahead of the previous number i.e. '21 64' (as '64' has  $6-4 = 2$ ) and the word with the greater difference between the constants and vowels is placed to the extreme right hand side i.e. 'music king' (as 'king' has No. of constants - No. of vowels i.e.  $3-1 = 2$ ) and so on.

**Input: freedom 82 31 branch 73 running 50 kettle strength 52 mystery 87**

Step I: 87 82 31 branch 73 running 50 kettle

strength 52 mystery freedom

Step II: 87 31 82 branch 73 running 50

strength 52 mystery freedom kettle

Step III: 87 31 52 82 branch 73 50 strength mystery freedom kettle running

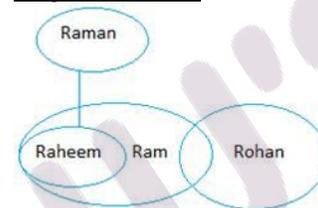
Step IV: 87 31 52 73 82 50 strength mystery freedom kettle running branch

Step V: 87 31 52 73 50 82 strength freedom kettle running branch mystery

Step VI: 87 31 52 73 50 82 freedom kettle running branch mystery strength

36. Ans. C.

**Explanation:**

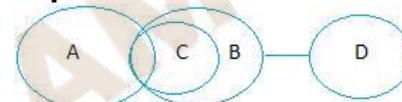


37. Ans. D.



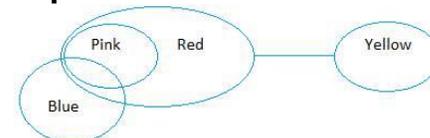
38. Ans. C.

**Explanation:**



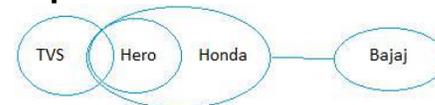
39. Ans. D.

**Explanation:**

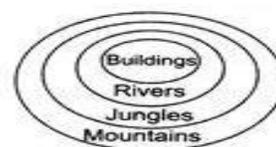


40. Ans. C.

**Explanation:**



41. Ans. C.



So, I and II follows.



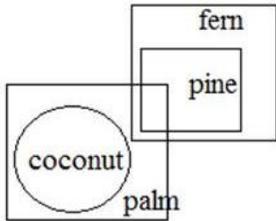
42. Ans. B.

**Statements:** All coconuts are palms.

Some palms are pines.

All pines are ferns.

Let us draw the Venn diagram with given statements.



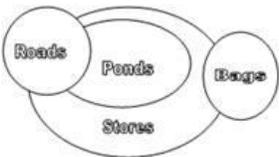
**Conclusions:**

I. Some ferns are coconuts. (not follows)

II. Some ferns are palms. (follows)

Only conclusion II follows.

43. Ans. B.



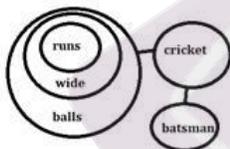
Hence Conclusions:

I No

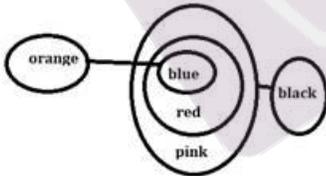
II Yes

So, Only II follows.

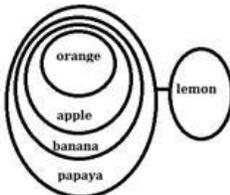
44. Ans. C.



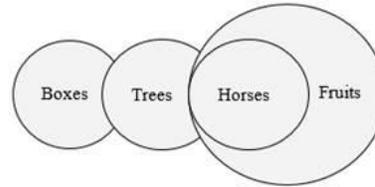
45. Ans. B.



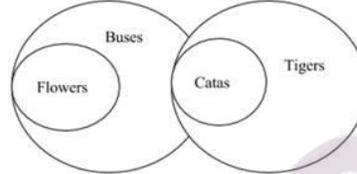
46. Ans. C.



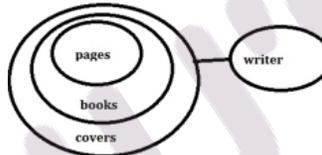
47. Ans. C.



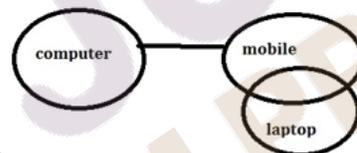
48. Ans. D.



49. Ans. B.



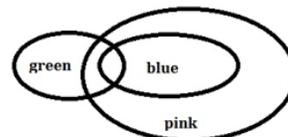
50. Ans. D.



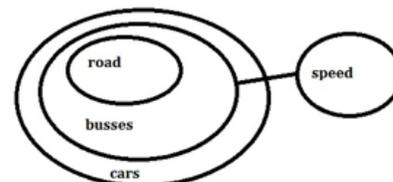
I. No computer is a laptop. Here, the information is not definite. So, it does not follow. Computer can be or can not be laptops.

II. All laptops are computers. No, because the overlap part of laptop and mobile can not be computers. So, it becomes false and does not follow.

51. Ans. A.



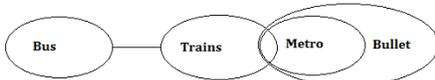
52. Ans. B.



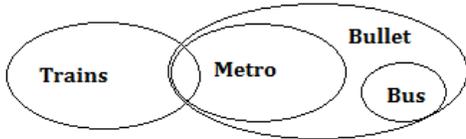
There is no restriction in speed being cars hence conclusion I does not follow. And we can clearly see that some cars are definitely roads hence conclusion II follows.



53. Ans. A.

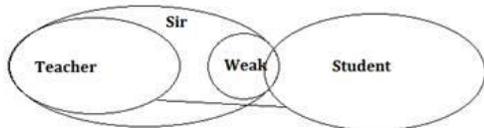
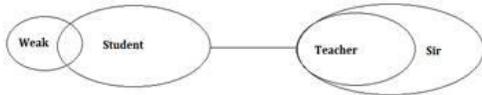


Here 1<sup>st</sup> conclusion is true.  
For 2<sup>nd</sup> conclusion to be true, it is necessary that no relation between Bus and Bullet.



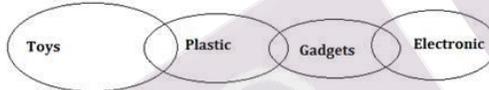
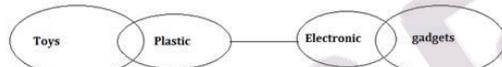
This relation is possible. So 2<sup>nd</sup> conclusion does not follow.

54. Ans. A.



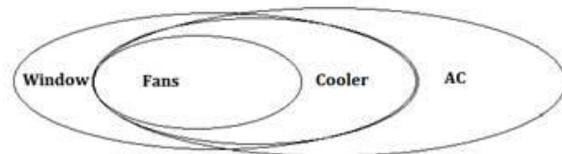
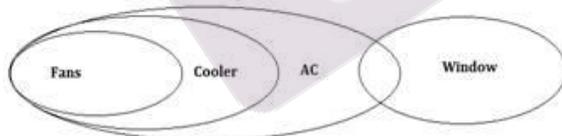
So, only 2<sup>nd</sup> conclusion is possible.

55. Ans. B.



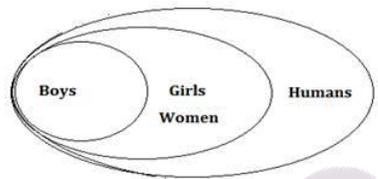
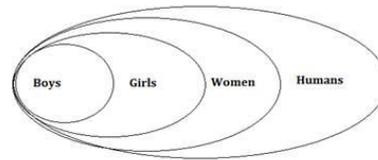
So, both the conclusions follow here.

56. Ans. C.



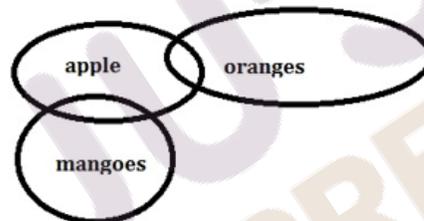
So, only 1<sup>st</sup> conclusion will follow.

57. Ans. A.

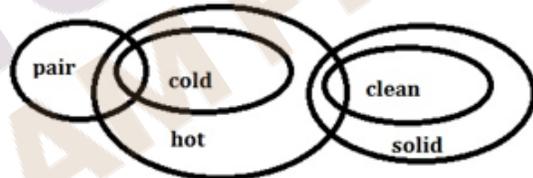


Only 1<sup>st</sup> conclusion follows the given statement.

58. Ans. A.



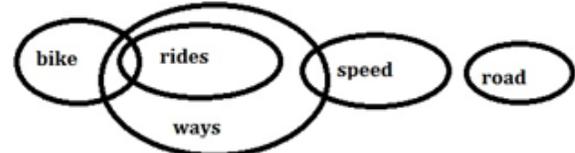
59. Ans. A.



60. Ans. D.



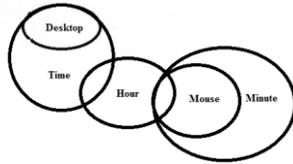
61. Ans. E.



Only either I or III follows. Conclusion II will not follow as there is no direct relationship between speed and rides.



62. Ans. C.  
Only II follows



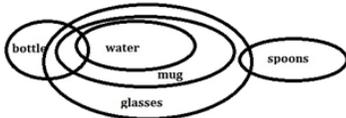
**Conclusions:**

I. Some minutes are time. - False - There is no direct relationship between minutes and time.

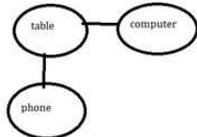
II. Some minutes are hour. True - It is clear from the given diagram.

III. Some mouses are time. False - There is no direct relationship between minutes and mouse.

63. Ans. C.



64. Ans. D.

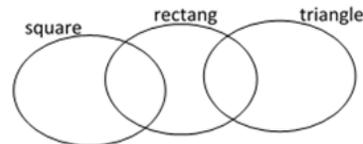
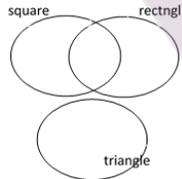


We can't be assure that At least some phone are computers. So conclusio I does not follow. and All computers are phones is also not necessarily true. Hence neither follows.

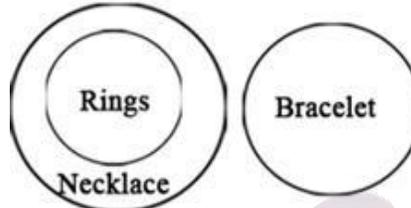
65. Ans. A.



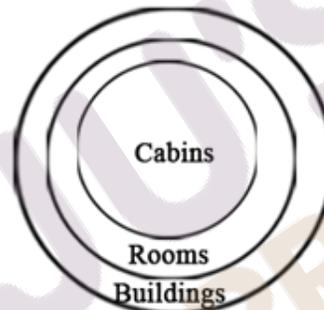
66. Ans. C.



67. Ans. A.



68. Ans. B.

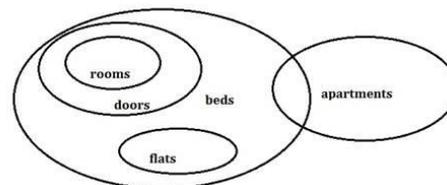


69. Ans. C.



As, option II and IV have common variables i.e. truck and bike. So, when one statement has some trucks are bikes and other statement has No truck is a bike. So, this Some-No relation follows when used together. So, either II or IV follows.

70. Ans. B.



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