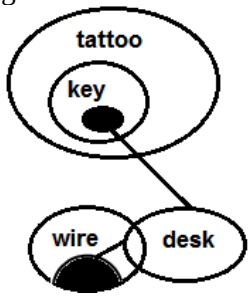
Syllogism

Solution

1. **Answer: (C)**

The least possible Venn diagram for the given statements is as follow:



Conclusions:

I. All desk being tattoo is a possibility → True

II. At least some tattoo are wire → False (It is possible but not definite)

Important points

Only a few means **some** and **some not.**

At least means **some.**

Hence, **only I follows.**

2. **Answer: (A)**

The least possible Venn diagram for the given statements is as follow:

Conclusions:

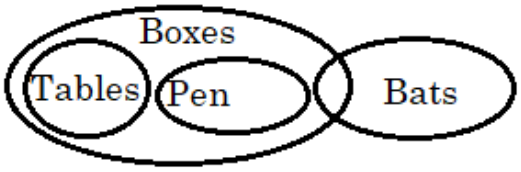
I. Some pillows are not sandals → True

II. At Least some shoes are slippers → False (It is possible but not definite)

Hence, **only I follows.**

3. **Answer: (D)**

The least possible Venn diagram for the given statements is as follow:



Conclusions:

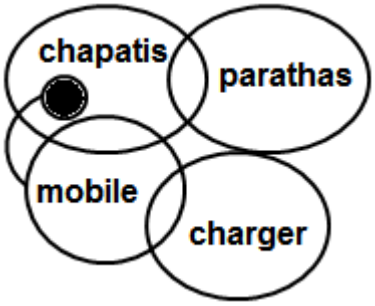
I. Few tables are bat → False (It is possible but not definite)

II. Some bats are not pens → False (It is possible but not definite)

Hence, **neither I or II follows.**

4. **Answer: (B)**

The least possible Venn diagram for the given statements is as follow:



Conclusions:

I. Some chapatis are not chargers → False (It is possible but not definite)

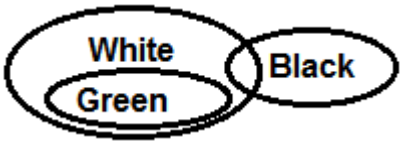
II. All chapatis can be parathas → True (As relation of some given so that in case of possibility it will follow)

Only a few means **some** and **some not.**

Hence, **only II follows.**

5. **Answer: (D)**

The least possible Venn diagram is as follows,



Conclusion:

I. All white are black is a possibility → False, because they have clearly mentioned in the statement that only a few white are black. So, all white cannot be black.

II. Some green are black.→ False, because there is no definite relation between Green and Black. So, some Green are black does not follow.

Hence, **None follows.**

6. Answer: (A)

The least possible Venn diagram for the given statements is as follows,

Conclusion:

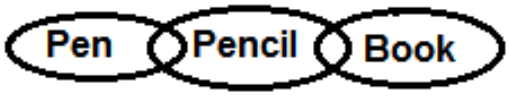
I. Some goal are not sure → No happen are sure, Some goal are happen, hence, some part of goals which is happen will not sure, hence, it is true.

II. Some happen are not sure → No happen are sure, hence it is true.

Thus, Both conclusion I and II follow.

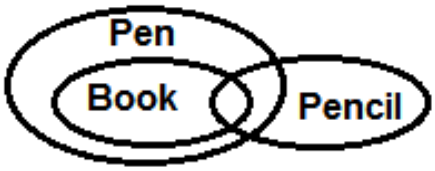
7. Answer: (D)

The least possible Venn diagram for the given statements is as follows,



Conclusion:

I. All books being pen is a possibility → This possibility is true, hence true.



II. No book is pencil → As some pencils are books, it is false.

Hence, conclusion I follows.

8. Answer: (B)

The least possible Venn diagram for the given statements is as follows,

Conclusion:

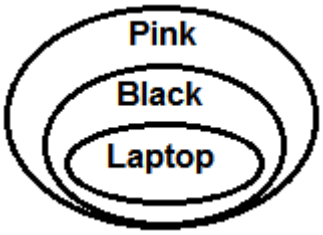
I. No coolers are desk → It is possible but not definite, hence false.

II. Some chairs are not desk → As no desk are chair, hence true.

Thus, Only conclusion II follows.

9. Answer: (E)

The least possible Venn diagram is as follows,



Conclusion:

I. All laptops are pink → As all laptops are black & all blacks are pink, all laptops are pink, hence true.

II. All blacks are laptop → It is definite but not possible, hence false.

Hence, the only conclusion I follows.

10. Answer: (A)

Minimum possible venn diagram

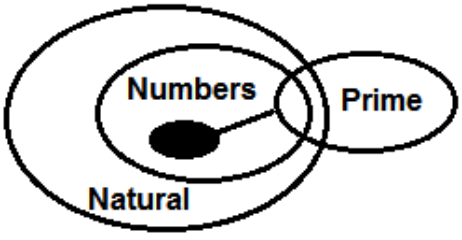
I. Some words are not sentences. → True (Only a few words are sentences. Means some words are sentences and some words are not sentences)

II. Some vowels are sentences. → False (This is possible but not definite)

Hence, Only conclusion I follows.

11. Answer: (B)

Minimum possible venn diagram



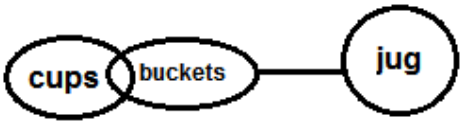
I. No prime is number. → False (It is definitely false)

II. Some prime are natural. → True (numbers which are prime are definitely natural)

Hence, Only conclusion II follows.

12. Answer: (E)

The least possible diagram for the given statements is as follows



Conclusions:

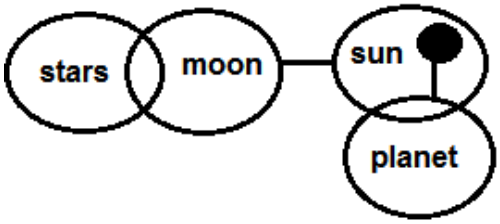
I. Some cups are not bucket. → True (It is clearly mentioned in statement that only few cups are buckets that means some cups are definitely not bucket)

II. Some cups are not jug. → True (Part of cups which is bucket is definitely not jug)

Hence, both I and II follows.

13. Answer: (B)

he least possible Venn diagram for the given statements is:



Conclusions:

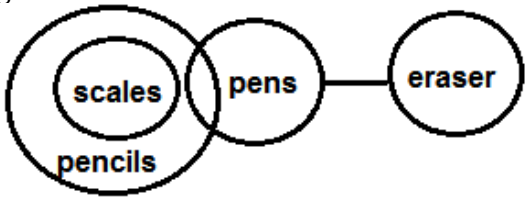
I. Some stars are sun. → False (No relationship is given between starts and sun, hence this condition is possible but not definite.)

II. Some planet are sun. → True (As it is given that 'only a few sun are planet.' some planets must be sun.)

Hence, **only II follows.**

14. Answer: (B)

The least possible Venn diagram for the given statements is:



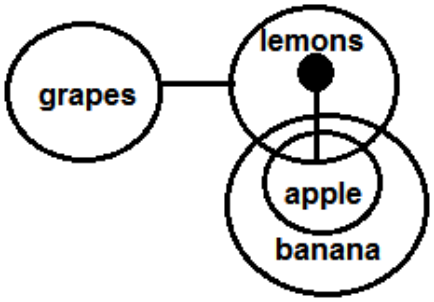
Conclusions:

I. Some pens are scales. → False (No relationship is given between pens and scales, hence, it is possible but not definite.)

II. Some scales are pencil. → True (As all scales are pencil is true, some scales are pencil will also be true.)

15. Answer: (C)

The least possible Venn diagram for the given statements is:



Conclusions:

I. All lemons are banana. → False (No specific information given about lemons and banana, hence, it is possible but not definite.)

II. Some lemons are not banana. → False (No specific information given about lemons and banana, hence, it is possible but not definite.)

Both of the above conclusions are following the conditions of 'either -or' pair.

Hence, **either I or II follows.**

Additional Information

Conditions of Either-or case:

1. The elements should be the same in both the statements.
2. Both the conclusions should be false individually.
3. One conclusion should be positive and one conclusion should be negative (Complementary pair)

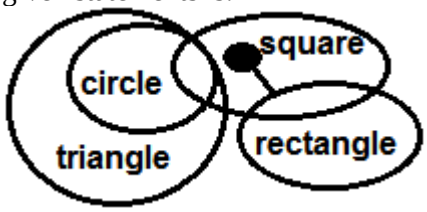
The two complementary pairs are:

1) All + Some not
2) No + Some

Note: Some + Some not is **not** considered under Either -or case.

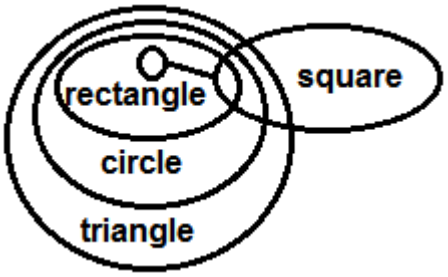
16. Answer: (D)

The least possible Venn diagram for the given statements is:



Conclusions**:**

I. All rectangle being circle is a possibility. → True (As nothing specific about rectangle and circle is given and none of the given statements is contradicting this possibility, hence the given possibility is true. The possibility diagram is shown below:

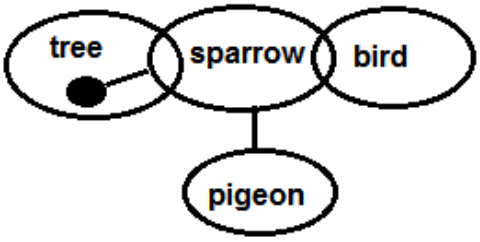


II. Some square are triangle. → True (As some square are circle and all the circle are triangle, hence it is definitely true.)

Hence, **both follow.**

17. Answer: (D)

The least possible Venn diagram based on the given statement is:



Conclusions:

I. Some tree are bird. → False (Nothing specific about tree and bird is given, hence this condition is possible but not definite.)

II. Some pigeon are bird. → False (Nothing specific about pigeon and bird is given, hence this condition is possible but not definite.)

18. Answer: (B)

The least possible Venn diagram for the given statements is:

Conclusions:

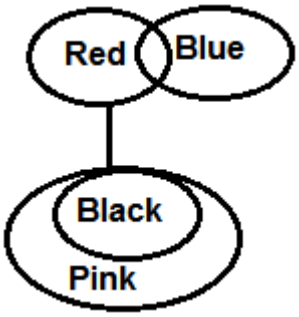
I. Some apples are fruit. → False (As there is no definite relation between apples and fruit. Therefore this is possible but not definite)

II. Some fruits are bananas. → True (As it is given "Only a few fruits are bananas" therefore some fruits are bananas is true)

Hence, **only 2 follows** is the correct answer.

19. Answer: (A)

The least possible Venn diagram is as follows:



Conclusions:

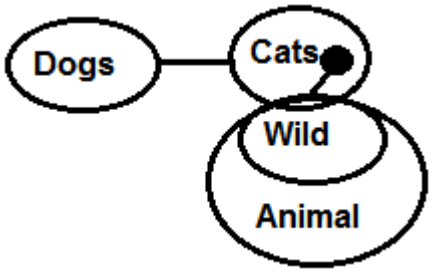
I. Some pink are black. → True (As it is given all black are pink this imply that some pink are black.)

II. Some red are pink. → False (As there is no definite relation between red and pink. Therefore this is possible but not definite).

Hence, **only 1 follows.**

20. Answer: (E)

The least possible Venn diagram for the given statements is:



Conclusions:
I. All cats are animal. → False (No specific information given about cats and animals, hence, it is possible but not definite.)
II. Some cats are not animal. → False (No specific information given about cats and animals, hence, it is possible but not definite.)

Both of the above conclusions are following the conditions of 'either -or' pair.
Hence, **either I or II follows.**

Additional Information

Conditions of Either-or case:

1. The elements should be the same in both the statements.
2. Both the conclusions should be false individually.
3. One conclusion should be positive and one conclusion should be negative (Complementary pair)

The two complementary pairs are:
1) All + Some not
2) No + Some

Note: Some + Some not is **not** considered under Either -or case.