

Aptitude Advance

Syllogism Basic & Advanced

Assignment 02

Syllogism Practice Assignment- 02

DIRECTION for questions 1-10: In each of the questions below are given three statements followed by four conclusions numbered I, II, III, 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.

1. **Statements:** Some grains are pulses. All vegetables are fruits. All pulses are vegetables.

Conclusion:

- I. Some grains are vegetables.
- II. All vegetables are pulses.
- III. All fruits are grains.
- IV. All vegetables are grains.

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

2. **Statements:** Some ships are boats. All boats are submarines. Some submarines are yatches.

Conclusions:

- I. Some yatches are boats.
- II. Some submarines are boats.
- III. Some submarines are ships.
- IV. Some yatches are ships.

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

3. **Statements:** All letters are numbers. Some graphs are letters. All sheets are graphs.

Conclusions:

- I. All sheets are numbers.
- II. Some sheets are letters
- III. Some numbers are graphs.
- IV. All graphs are numbers.

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

4. **Statements:** Most doctors are engineers. No engineer is a pilot. All pilots are doctors.

Conclusions:

- I. Some engineers are doctors
- II. All doctors are pilots
- III. No pilot is an engineer.
- IV. Some pilots are engineers.

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

5. **Statements:** All files are folders. All folders are boxes. All boxes are drawers.

Conclusions:

- I. All folders are drawers
- II. All boxes are files
- III. All files are drawers
- IV. All drawers are folders

- 1. Only I and II follow 2. Only I and III follow
- 3. Only II and III follow 4. All follow

5. None of these

DIRECTION for questions 6 – 10: *In each of the questions below are given three 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.*

6. Statement:

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 box.

- 1. None follow
- 2. Only either II or IV follows
- 3. Only either I or IV and II follow
- 4. Only either I or III and IV follow

5. None of these

7. 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.

- 1. None follows
- 2. Only I and II follow
- 3. Only III and IV follow
- 4. Only I and IV follow
- 5. Only II and III follow

8. Statements:

All fans are rooms. No room is green. Some windows are green.

Conclusions:

- I. Some windows are fans.
- II. Some windows are rooms.
- III. Some fans are green.
- IV. No green is fan.

- | | |
|--------------------|--------------------------|
| 1. Only I follows | 2. Only III follows |
| 3. Only IV follows | 4. Only II and IV follow |
| 5. All follows | |

9. Statements:

Some tablets are rains. All dogs are rains. All rains are chairs.

Conclusions:

- I. Some chairs arc tablets.
- II. All dogs are chairs.
- III. Some tablets are dogs.
- IV. Some tablets arc chairs.

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

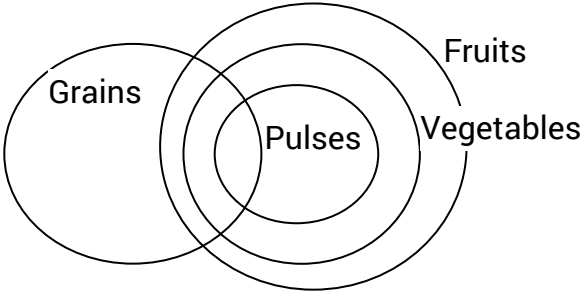
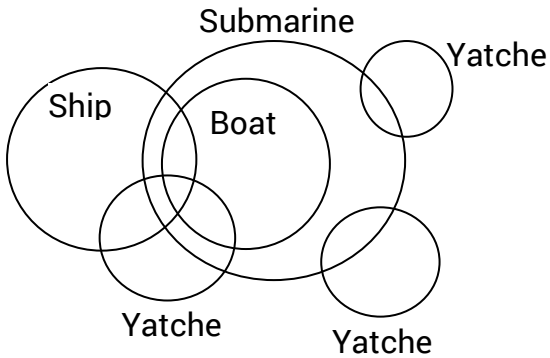
10. Statements: No man is sky. No sky is road. Some men are roads.

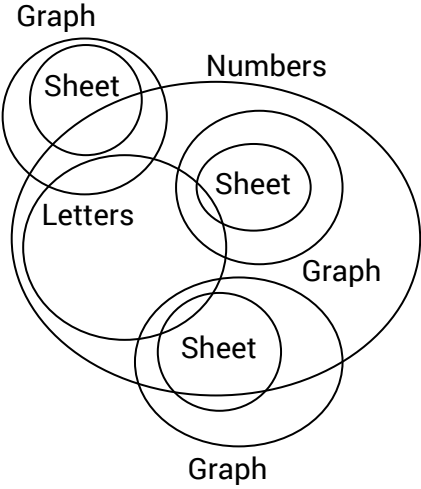
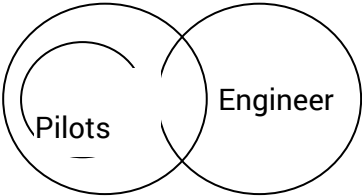
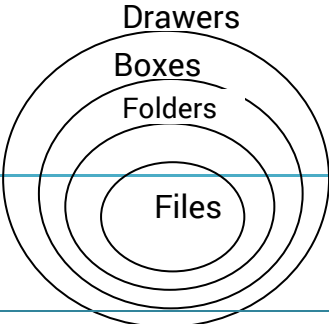
Conclusions:

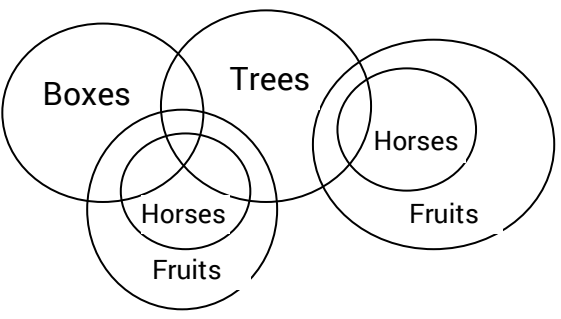
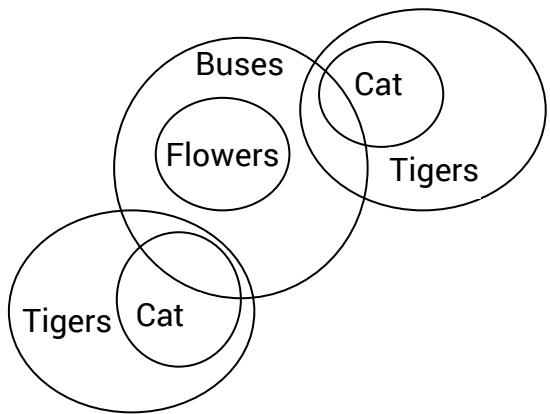
- I. No road is man.
- II. No road is sky.
- III. Some skies are men
- IV. All roads are men.

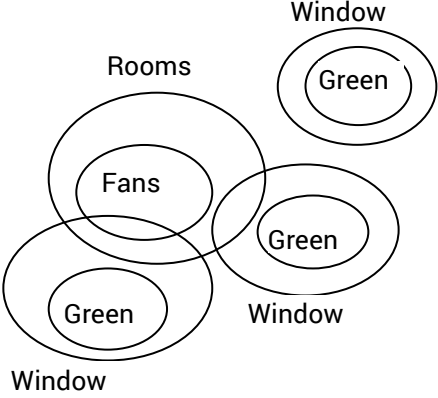
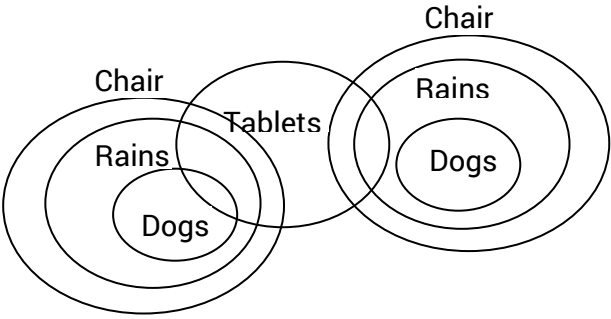
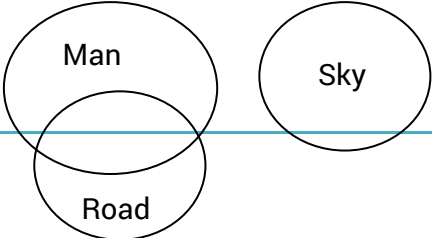
- | | |
|--------------------------|---------------------------|
| 1. None follows | 2. Only II follows |
| 3. Only I and III follow | 4. Only II and III follow |
| 5. None of these | |

Answer key

Q. No.	Ans.	Explanation
1.	2	 <p>Clearly from the diagram, only Conclusion I is true.</p>
2.	2	 <p>From the diagram we can infer that some submarines are boats and some submarines are ships. So 2nd option.</p>

3.	4	 <p>The diagram gives all the possibilities. But only III rd conclusion is true.</p>
4.	3	 <p>Clearly from the diagram I and III are true.</p>
5.	2	

		Clearly from the diagram I and III are true.
6.	3	<div><p>A Venn diagram with four overlapping circles. The top-left circle is labeled 'Boxes', the top-right is 'Trees', the bottom-left is 'Horses', and the bottom-right is 'Fruits'. The circles are arranged such that 'Boxes' and 'Trees' overlap, 'Boxes' and 'Horses' overlap, 'Trees' and 'Horses' overlap, and 'Horses' and 'Fruits' overlap. There is also an overlap between 'Boxes' and 'Fruits'.</p></div> <p>From the diagram II definitely follows, in one case some fruits are boxes and in the other no fruit is box. So either I or IV are true.</p>
7.	4	<div><p>A Venn diagram with four overlapping circles. The top-left circle is labeled 'Buses', the top-right is 'Cat', the bottom-left is 'Flowers', and the bottom-right is 'Tigers'. The circles are arranged such that 'Buses' and 'Flowers' overlap, 'Buses' and 'Cat' overlap, 'Flowers' and 'Tigers' overlap, and 'Cat' and 'Tigers' overlap. There is also an overlap between 'Buses' and 'Tigers'.</p></div> <p>Clearly from the diagram I and IV are true.</p>

8.	3	 <p>From the diagram we see all the possibilities. Clearly only IV is true for all possibilities.</p>
9.	3	 <p>From the diagram, we can infer that conclusions I, II and IV follow.</p>
10.	2	

		Clearly from the diagram No road is sky. So It follows. Hence option 2.
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