REASONING

Syllogism Worksheet for MAH MCA CET 2025

For students preparing for MCA Entrance Exam.

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

1. Statements
Some plants are trees.
All trees are bushes.
Conclusions:
1. Some bushes are plants.
2. All bushes are plants.
3. No bush is a plant
A. Only conclusion 1 follows
B. Only conclusion 3 follows
C. Only conclusion 1 and 3 follow
D. Only conclusion 2 and 3 follow

2. Statements
Some mangoes are fruits.
No fruit is a vegetable.
Conclusions:
I. Some mangoes are vegetables.
II. Some fruits are mangoes.
III. No vegetable is a mango.
A. Only conclusion II follows.
B. Only conclusion II and III follow
C. Only conclusion I and III follows
D. Only conclusion I follows

3. Statements
All computers are instruments.
Some machines are computers.
Conclusions:
I. All instruments are computers.
II. Some machines are instruments.
III. Some instruments are machines.
A. All the conclusion follow.
B. Only conclusions I and II follow.
C. Only conclusions II and III follow.
D. Only conclusions I and II follow.

4. Statements
Some rivers are brooks.
No brook is a stream.
Conclusions:
I. No stream is a brook.
II. Some streams are rivers.
III. Some brooks are rivers.
A. Only conclusions I and III follow.
B. Only conclusions I and II follow.
C. Only conclusions II and III follow.
D. Only conclusion I follows.

5. Statements
Some men are players.
All players are athletes.
Conclusions:
I. No athlete is a man.
II. All men are athletes.
III. Some athletes are men.
A. Only conclusion I follows.
B. Only conclusion II and III follow
C. Only conclusion II follows.
D. Only conclusion III follows.

6. Statements
All teachers are researchers.
No researcher is unemployed.
Conclusions:
I. Some unemployed are teachers.
II. No teacher is unemployed.
III. Some teachers are unemployed
A. Only conclusion II follows.
B. Only conclusion I follows.

C. Only conclusion II and III follows.
D. Only conclusion I and III follows.

7. Statement
Some male are swimmers.
All swimmers are athletes.
Conclusion:
   I.   Some athletes are males.
   II.   No athlete is male.
   III.   Some athletes are swimmers.
    A. Only conclusion I and II follows.
    B. Only conclusion I and III follows.
    C. Only conclusion II and III follows.
    D. All of the conclusion follows.

8. Statement
Some animals are mammals.
No mammal is herbivore.
Conclusion:
   I.   No herbivore is mammal.
   II.   Some mammals are animals.
   III.   No animal is herbivore.
    A. None of the conclusion follows.
    B. Only conclusion II and III follows.
    C. Only conclusion I and II follows.
    D. Only conclusion I and III follows.

9. Statements
All roads are vehicles
Some vehicles are trees
Conclusions:
   I.   Some trees are roads.
   II.   All vehicles are trees.
    A. Both conclusion I and II follows.
    B. Only conclusion I follows.
    C. Neither conclusion I nor conclusion II follows.
    D. Only conclusion II follows.

10. Statements
    A. Some bulbs are LEDs
    B. Some LEDs are tubelights.
Conclusions:
   I.   Some tubelights are bulbs.
   II.   No tubelight is a bulb.
    A. Neither conclusion I nor II follows.
    B. Only conclusion II follows.
    C. Either conclusion I or II follows.
    D. Only conclusion I follows.

11. Statements
All leaders are politicians.

All politicians are eloquent.
Conclusions
   I.   All leaders are eloquent
   II.   All politicians are leaders.
    A. Both conclusions I and II follow.
    B. Only conclusion I follows.
    C. Only conclusion II follows.
    D. Neither conclusion I nor II follows.

12. Statements
   I.   Some watches are machines.
   II.   Some machines are hands
Conclusions
   I.   Few hands are watches.
   II.   No hand is watch.
    A. Only conclusion II follows.
    B. Neither conclusion I nor II follows.
    C. Only conclusion I follows.
    D. Either conclusion I or II follows.

13. Statements
All Chairs are expensive.
All expensive are unique.
Conclusions
   I.   All chairs are unique.
   II.   All unique are expensive.
    A. Both conclusion I and II follows.
    B. Neither conclusion I and II follows.
    C. Only conclusion I follows.
    D. Only conclusion II follows

14. Statements
Some mirrors are combs.
Some combs are stools.
Conclusions
   I.   All stools are either mirrors or combs.
   II.   Some stools are combs.
    A. Only conclusion II follows.
    B. Either conclusion I and II follows.
    C. Only conclusion I follows.
    D. Neither conclusion I nor II follows.

15. Statements
All vans are cats.
All jeeps are cats.
Conclusion
   I.   All van is jeep.
   II.   Some jeeps are van.
    A. Only conclusion I follows.
    B. Neither conclusion I nor II follows.
    C. Both conclusion I and II follow.
    D. Only conclusion II follows.

16. Statement
Some dancers are students
Some students are singers
Conclusion
   I.   Some singers are dancers
   II. No singer is dancer
   A.   Only conclusion I follows.
   B.   Neither conclusion I nor II follows.
   C.   Either conclusions I or II follow.
   D.   Only conclusion II follows.

17. Statements
Some bed sheets are towels.
Some towels are pillow.
Conclusion
   i.   Some pillows are bed sheets.
   ii. No pillow is bedsheet.
   A.   Neither conclusion (i) follow nor
        conclusion (ii) follows.
   B.   Only conclusion (i) follows.
   C.   Only conclusion (ii) follows.
   D.   Either conclusion (i) or conclusion (ii)
        follows

18. Statements
All executives are humble people.
All humble people are rich.
Conclusion
   i.   All executives are rich.
   ii. All humble people are executives.
   A.   Only conclusion (i) follows.
   B.   Only conclusion (ii) follows.
   C.   Both conclusion (i) and conclusion (ii)
        follow.
   D.   Neither conclusion (i) follow nor
        conclusion (ii) follows.

19. Statements
Some roads are metros.
Some metros are cars.
Conclusion
   I.   All cars are either roads or metros.
   II. Some cars are metros.
   A.   Only conclusion I follows.
   B.   Neither conclusion I nor II follows.
   C.   Only conclusion II follows
   D.   Either conclusion I or II follows.

20. Statements
No Table is lion.
All lions are bells.

Conclusions
   I.   No bell is table.
   II. Some bells are lions.
   A.   Only conclusion I follows.
   B.   Both conclusions I and II follow.
   C.   Only conclusion II follows.
   D.   Neither conclusion I nor II follows.

21. Statements
All plants are flowers.
No flower is blue.
Conclusions
   I.   Some plants are blue.
   II. Those plants that are not flowers are
        blue.
   A.   Only conclusion II follows.
   B.   Only conclusion I follows.
   C.   Both conclusion I and II follow.
   D.   Neither conclusion I nor II follows.

22. Statements
Some boxes are dolls.
All dolls are pens.
Conclusions
   I.   Some boxes are pens.
   II. Some pens are boxes.
   III. Some pens are dolls.
   A.   Only conclusion II,III and IV follow.
   B.   Only conclusion I,II and III follows.
   C.   Only conclusion I,II and IV follow.
   D.   All the conclusions follows.

23. Statements
All rulers are machines.
Some machines are costly items.
Conclusions
   I.   Some rulers are costly items.
   II. Some costly items are machines.
   III. All costly items are machines.
   A.   Both conclusions II and III follow.
   B.   Both conclusions I and II follow.
   C.   Only conclusion II follows.
   D.   Only conclusion I follows.

24. Statements
Some cars are vehicles.
No vehicle is a four-wheeler.
Conclusions:
   I.   No car is a four-wheeler.
   II. All four-wheelers are cars.
   III. Some vehicles are cars.
   A.   Only conclusions I and II follow.

B. All conclusions follow.
C. Only conclusion III follows.
D. Only conclusion I follows

B. Only conclusion II follows.
C. None of the conclusions follow.
D. Only conclusion III follows.

25. Statements
Some mobiles are instruments.
All instruments are heavy item.
Conclusions:
   I. Some mobiles are heavy items.
   II. No mobile is a heavy item.
   III. Some heavy items are instruments.
   A. All conclusions follow.
   B. Only conclusion I follows.
   C. Only conclusion III and either conclusion I or II follows
   D. Only conclusion I and III follows.

26. Statements
No crow is a bird.
All birds are animals.
Conclusion
   I. Some animals are crows.
   II. some animals are birds.
   III. No animal is a crow.
   A. Only conclusions I and II follow
   B. None of the conclusions follows
   C. Only conclusion III follows
   D. Conclusion II and either conclusion I or III follows

Q27. Statements
Some students are players.
Some players are athletes.
Conclusions
   I. Some students are athletes.
   II. Some players are students.
   III. No student is an athlete.
   A. Only conclusion II and either conclusion I or III follow
   B. None of the conclusions follows
   C. Only conclusion I follows
   D. Only conclusions II and III follow

Q28. Statements
All ponds are pools.
Some wells are ponds.
Conclusions
   I. Some ponds are not wells.
   II. Some wells are pools.
   III. All pools are wells.
   A. Only conclusion I follows.

Q29. Statements
All knives are instruments.
Some cutters are knives.
Conclusion:
   I. Some cutters are instruments.
   II. All knives are cutters.
   III. Some knives are not instruments.
   A. None follows.
   B. Only conclusion II follows.
   C. Only conclusion III follows.
   D. Only conclusion I follows.

30. Statement
Some roads are streets.
Some streets are lanes.
Conclusion
   I. No road is a lane.
   II. All streets are lanes.
   III. Some lanes are roads.
   A. Only conclusion II follows.
   B. Only conclusions II and III follows.
   C. Either conclusion I or III follows.
   D. Only conclusion I follows.

Answer Key

1. A	2. A	3. C	4. A	5. D	6. A	7. B	8. C	9. C	10. C
11. B	12. D	13. C	14. A	15. B	16. C	17. D	18. A	19. C	20. C
21. D	22. B	23. C	24. C	25. D	26. D	27. A	28. B	29. D	30. C