REASONING

Syllogism Worksheet

For students preparing for MAH-B.BCA/BBA/BMS/BBM CET 2025 and CUET General Test Paper 3 for admission to BCA, BBA, BMS, BBM

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. Statement:
All owls are parrots
Some parrots are crows.
Conclusions:
   I.   No owl is a crow.
   II.   All parrots are owls.
   III.   Some owls are crows.
   A.   All I, II and III follows.
   B.   Only II and III follows.
   C.   Either I or III follows.
   D.   Either I or II follows.

2. Statements:
All fields are farm-houses
Some fields are gardens
Conclusions:
   I.   Some farm-houses are fields
   II.   Some gardens are fields
   III.   Some farm-houses are gardens.
   A.   All the conclusions, I and II and III, Follow.
   B.   Either conclusion I or III follows
   C.   Only conclusions I and II follow.
   D.   Only conclusions I and III follow.

3. Statements:
All utensils are spoons.
All bowls are spoons.
Conclusions:
   I.   No utensil is a bowl.
   II.   Some utensils are bowls.

III.   No spoon is a utensil.
   A.   Only conclusions I follows
   B.   Conclusions I and III follow
   C.   Either conclusion I or II follows
   D.   Only conclusion III follows

4. Statements:
No grass is a flower.
All flowers are trees.
Conclusion:
   I.   Some trees are flowers.
   II.   Some trees are grasses.
   III.   No tree is a grass
   A.   Only conclusion III follows
   B.   Either conclusions II or III, and I follow
   C.   Either conclusion II or III follows
   D.   Only conclusion I follows

5. Statements:
All rocks are oceans.
All oceans are balloons.
Some watches are balloons.
Conclusions:
   I.   Some balloons are rocks.
   II.   Some watches are oceans.
   III.   All oceans are rocks.
   A.   Only conclusion II follows.
   B.   Only conclusions I and III follow.
   C.   Only conclusions I and II follows.
   D.   Only conclusion I follows.

6. Statements:
Some essays are poems.
Some poems are directors.
All directors are singers.
Conclusions:
   I.   Some directors are poems.

II.   Some singers are essays.
III.   Some singers are poems.
    A. Only conclusions I and III follow
    B. Only conclusions II and III follow.
    C. Only conclusions I and II follows.
    D. Only conclusion I follows.

7. Statements:
All women are engineers.
Some singers are engineers.
Conclusions:
    I.   All women are singers.
    II.   All singers are women.
    III.   Some engineers are women.
    A. Only conclusions I and II follow.
    B. Only conclusion I follows.
    C. Only conclusion III follows.
    D. Only conclusion II and III follow.

8. Statements:
Some tractors are boats.
All cups are boats.
All jars are tractors.
Conclusions:
    I.   Some tractors are cups.
    II.   No jar is boat.
    III.   Some cups are jars.
    A. Only conclusions I and II follow.
    B. Only conclusions II and III follow
    C. None of the conclusions follow.
    D. Only conclusions I and III follow.

9. Statements:
All parks are schools.
No school is a college.
Conclusions:
    I.   No college is a school.
    II.   Some schools are parks.
    III.   No park is a college.
    A. All the conclusions follow.
    B. Only conclusions II and III follow.
    C. Only conclusions I and II follow.
    D. Only conclusions I and III follow.

10. Statements:
All breads are cakes.
All eggs are cakes.
Conclusions:
    I.   Some cakes are breads.
    II.   Some breads are eggs.
    III.   No bread is an egg.
    A. All the conclusions follow.

    B. Conclusion I and either conclusion II or III follow.
    C. Only conclusions I and II follow.
    D. Only conclusions I and III follow.

11. Statements:
Some ants are bats.
Some ants are crabs.
Conclusions:
    I.   Some bats are crabs.
    II.   No crab is ant.
    III.   No bat is crab.
    A. Only conclusions I and III follow.
    B. Only conclusions I and II follow.
    C. Either conclusion I or III follows.
    D. Either conclusion I or II follows.

12. Statements:
No ball is pen.
All pens are boxes.
Conclusions:
    I.   Some boxes are pens.
    II.   Some boxes are balls.
    III.   No box is ball.
    A. Either conclusion II or III follows
    B. Conclusion I and either II or III follows
    C. All conclusions follow
    D. Only conclusion I follows

13. Statements:
All purses are rupees.
Some rupees are coins.
Conclusions
    I.   Some purses are coins.
    II.   No purse is coin.
    III.   No rupee is coin
    A. Either Conclusion I or II follows.
    B. Only Conclusion I and III follow.
    C. Only Conclusion I and II follow.
    D. Only Conclusion II and III follow.

14. Statements:
Some children are clever
All children are honest
Conclusions
    I.   Some clever are children
    II.   Some honest are children.
    III.   Some clever are honest.
    A. Either conclusion I or III follows
    B. Only conclusions I and II follow
    C. Only conclusions II and III follow
    D. All conclusions follow

15. Statements:
All ice creams are juices.
No juice is chocolate.
Conclusions
    I.   Some chocolates are ice-creams.
   II.   Some juices are ice-creams.
  III.   No ice-cream is chocolate.
    A.   Only conclusions I and II follow.
    B.   Either conclusion I or III follows.
    C.   Only conclusions II and III follow.
    D.   Only conclusions I and III follow.

16. Statements:
All equipment are screw-drivers.
All machines are equipment.
Conclusions:
    I.   Some screw-drivers are equipment.
   II.   Some screw-drivers are machines.
  III.   All equipment are machines.
    A.   Only conclusions I and III follow.
    B.   Only conclusions II and III follow.
    C.   All conclusions follow.
    D.   Only conclusions I and II follow.

17. Statements:
Some plants are vegetable.
All vegetables are vitamins.
Conclusions:
    I.   Some vitamins are plants.
   II.   Some vitamins are vegetables.
  III.   No vitamin is plant.
    A.   Either conclusion I or III follows.
    B.   Only conclusions I and II follow.
    C.   Only conclusions I and III follow.
    D.   Only conclusions II and III follow.

18. Statements:
Some chilies are potatoes.
Some potatoes are onions.
Conclusions:
    I.   Some onions are chilies.
   II.   Some onions are potatoes.
  III.   No onion is chilly.
    A.   Conclusion II and either conclusion I or III follow.
    B.   Only conclusions I and II follow.
    C.   Only conclusions II and III follow.
    D.   Conclusion I and either conclusion II or III follow.

19. Statements:
Some autos are cycles
All cycles are trucks.
Conclusions:
    I.   Some trucks are autos.
   II.   Some trucks are cycles.
  III.   Some cycles are autos.
    A.   Conclusion I and III follow.
    B.   Only conclusions II and III follow.
    C.   All conclusions follow.
    D.   Only conclusions I and II follow.

20. Statements:
All cocks are bears
All bears are horses.
Conclusions:
    I.   Some bears are cocks.
   II.   Some horses are cocks.
  III.   All cocks are horses.
    A.   Only conclusions I and II follow.
    B.   Only conclusions II and III follow.
    C.   Only conclusions I follow.
    D.   All the conclusions follow.

21. Statements:
All eggs are hens.
All hens are birds.
All birds are crows.
Conclusions
    I.   All eggs are crows.
   II.   All hens are crows.
  III.   Some crows are birds.
    A.   Only conclusion I and II follow.
    B.   All conclusions I, II and III follow.
    C.   Only conclusion I follow.
    D.   Only conclusion II and III follow.

22. Statements:
All hens are eggs.
All birds are eggs.
Some eggs are lions.
Conclusions:
    I.   Some lions are eggs.
   II.   Some eggs are hens.
  III.   Some eggs are birds.
    A.   All the conclusions follow.
    B.   Either conclusion II or III follows.
    C.   Only conclusion I follows.
    D.   Only conclusions I and II follow.

23. Statements:
All hens are eggs

No birds are eggs.
All eggs are lions.
Conclusions:
  I.   All hens are lions.
  II. Some lions are hens.
  III. No eggs are birds.
    A. Either conclusion II or III follows.
    B. Only conclusion I follow.
    C. All the conclusions follow.
    D. Only conclusions I and II follow.

24. Statements
All knives are axes
All axes are swords
All saws are swords.
Conclusions:
  I.   All swords are knifes.
  II. Some axes are saws.
  III. No axe is saw.
    A. Either conclusion II or III follows.
    B. Only conclusion I follow.
    C. All the conclusions follow.
    D. Only conclusions I and II follow.

25. Statements:
All hens are eggs.
All birds are eggs.
All eggs are lions.
Conclusions:
  I.   All hens are lions.
  II. Some lions are eggs.
  III. All birds are lions.
    A. Only conclusions II and III follow.
    B. Only conclusions I and II follow.
    C. Only conclusion I follows.
    D. All the conclusions follow.

26. Statements:
No carrot is root.
All roots are potatoes.
Conclusions:
  I.   No carrot is potatoes.
  II. No potatoes is carrot.
  III. Some potatoes are roots.
  IV. All the potatoes are roots.
    A. Only conclusion (III) follow
    B. Conclusion (I) and (IV) follows
    C. Conclusion (I) and (II) follows
    D. Only conclusion (I) follow

27. Statements:
All knives are axes.

All axes are swords.
All saws are swords.
Conclusions:
  I.   All swords are knifes.
  II. Some swords are axes.
  III. Some swords are saws.
    A. Only conclusions II and III follow.
    B. Only conclusions I and II follow.
    C. Only conclusion I follows.
    D. All the conclusions follow.

28. Statements:
No A is B.
All C are D.
Some C are B.
Conclusions:
  I.   Some D are B.
  II. Some B are C.
  III. All C are B.
    A. Both conclusions I and II follow.
    B. Both conclusions I and III follow.
    C. Only conclusion III follows.
    D. Only conclusion II follows.

29. Statements:
  I.   Some red are rat.
  II. Some rat are wild.
Conclusions:
  I.   Some wild are rat.
  II. All wild are rat.
  III. Some red are wild.
    A. None of the conclusions follows.
    B. Only conclusion I follow.
    C. Only conclusion III follows.
    D. Only conclusion II follows.

30. Statements:
  I.   Some K are M.
  II. No T is M.
Conclusions:
  I.   Some T are K.
  II. Some M are K.
    A. Only conclusion II follows.
    B. Only conclusion I follows.
    C. None of the conclusions follows.
    D. Both conclusions l and II follow.

Answer Key

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