SNS COLLEGE OF TECHNOLOGY

An Autonomous Institution

Coimbatore-35

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

19GET276 – VQAR II

II YEAR/ IV SEMESTER

UNIT 3 – VERBAL REASONING II

TOPIC – SYLLOGISMS

SYLLOGISMS
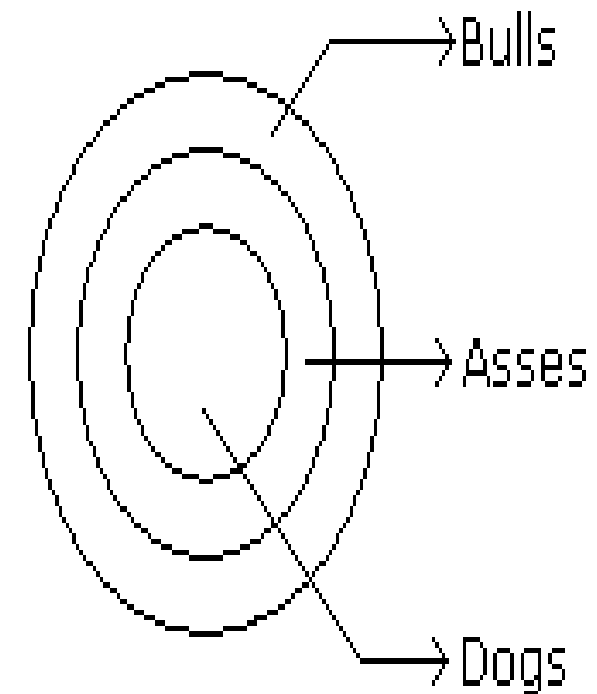
Example 1:

Statements:

1. All dogs are asses.

2. All asses are bulls.

Conclusions:

1. Some dogs are not bulls.

2. Some bulls are dogs.

3. All bulls are dogs.

4. All dogs are bulls.

Solution:

On the basis of both statements, the following one diagram is possible.

From the diagram it is clear that (2) and (4) conclusions logically follow.

Example 2:

Statements:

1. Some dogs are asses.

2. Some asses are bulls.

Conclusions:

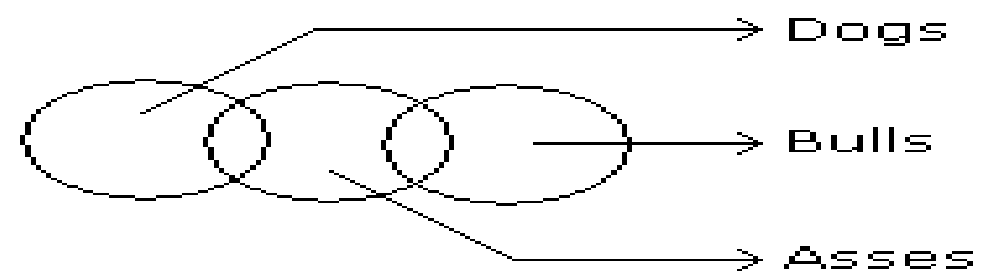1. Some asses are not dogs.

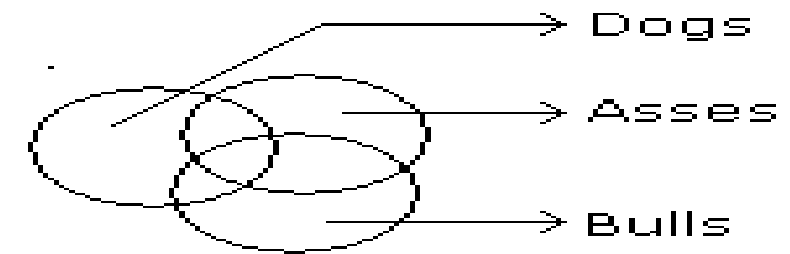2. Some dogs are bulls.
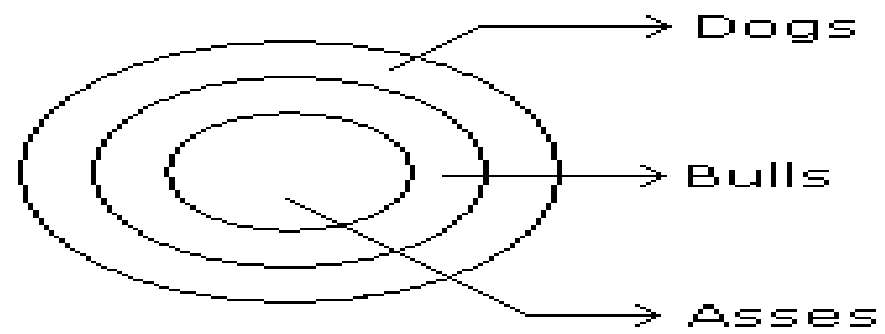
SYLLOGISMS

Solution:

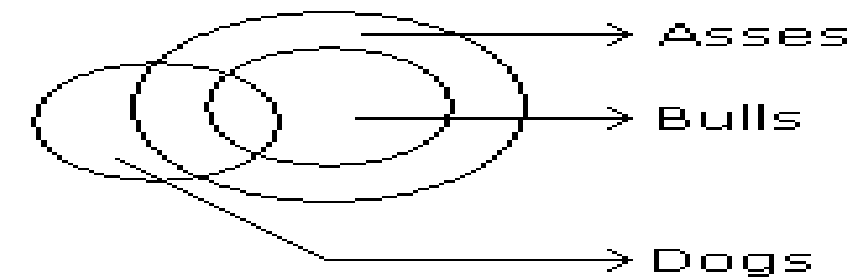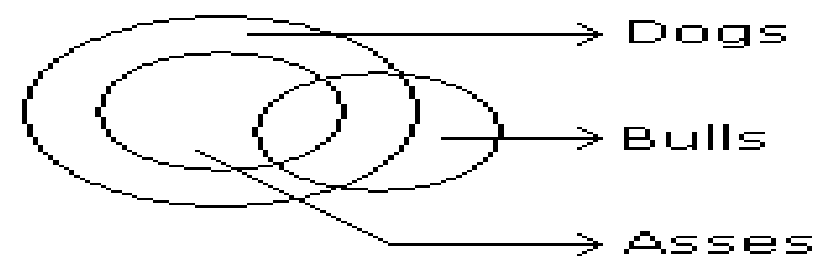From these given statements the following diagrams are possible:

(1)

(2)

(3)

(4)

(5)

From the diagram neither (1) nor (2) conclusions follow.

SYLLOGISMS

Statements: Some actors are singers. All the singers are dancers.

Conclusions:

1. Some actors are dancers.

2. No singer is actor.
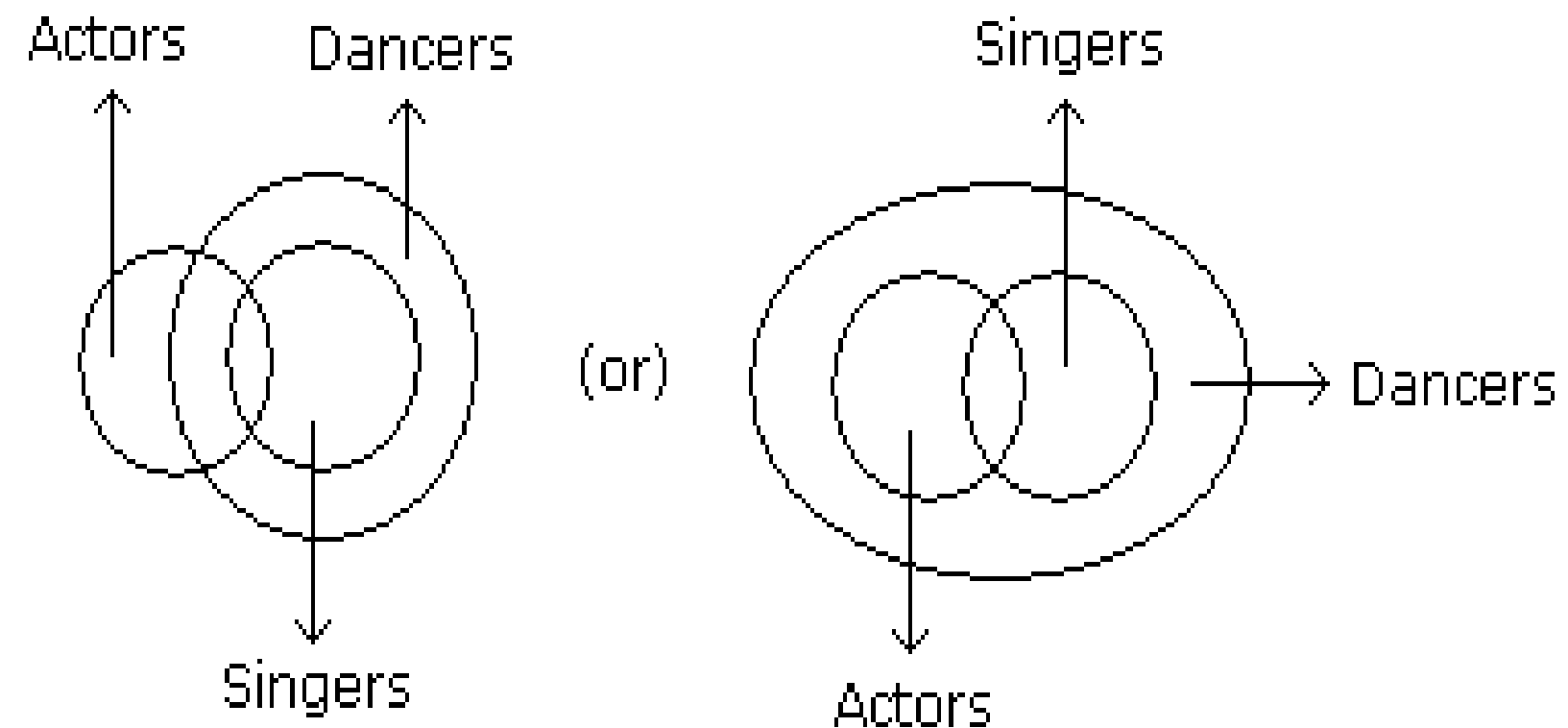
A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

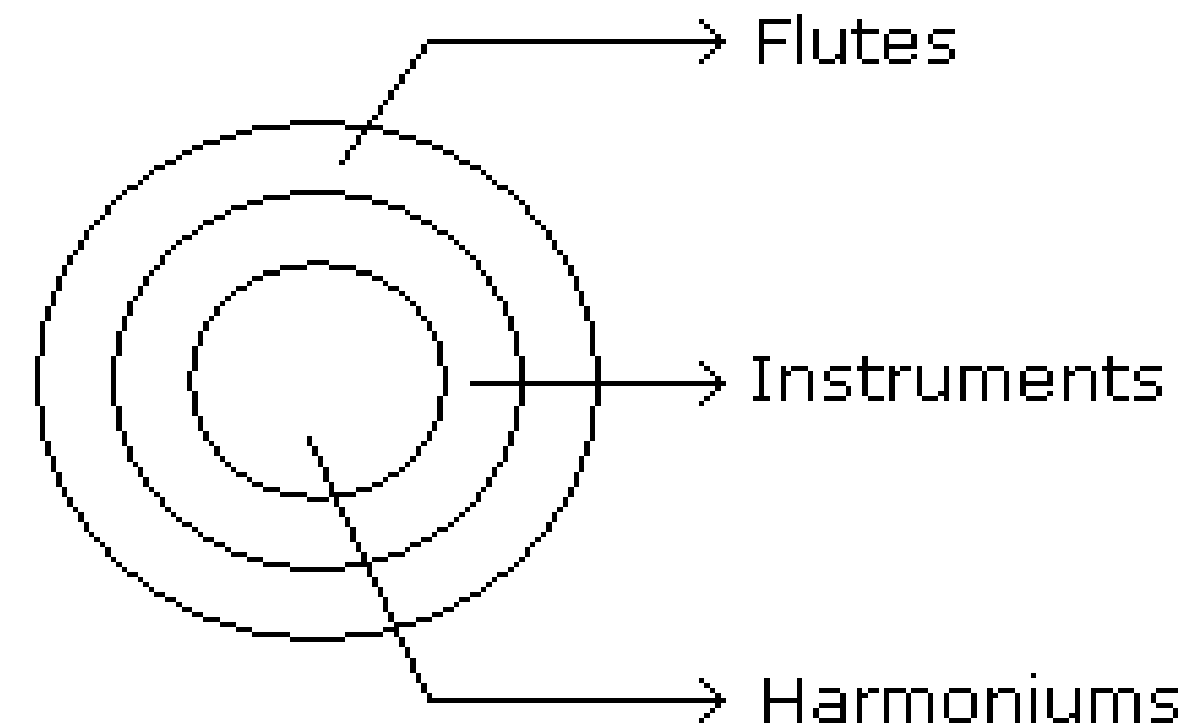Only (1) follows.

Answer: Option A

Statements: All the harmoniums are instruments. All the instruments are flutes.

Conclusions:

1. All the flutes are instruments.

2. All the harmoniums are flutes.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

Only (2) follows.

Answer: Option **B**

Statements: Some mangoes are yellow. Some tixo are mangoes.

Conclusions:

1. Some mangoes are green.

2. Tixo is a yellow.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Answer: Option **D**

Explanation:

None of the two follows.

Statements: Some ants are parrots. All the parrots are apples.

Conclusions:

1. All the apples are parrots.

2. Some ants are apples.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows
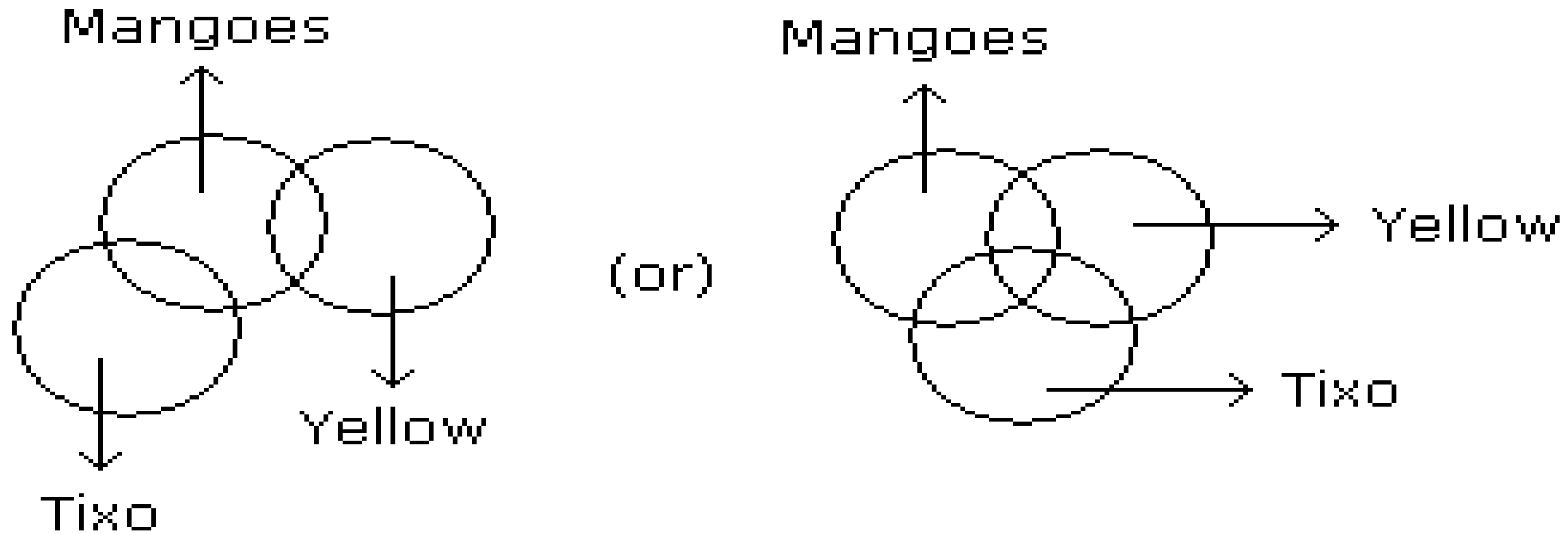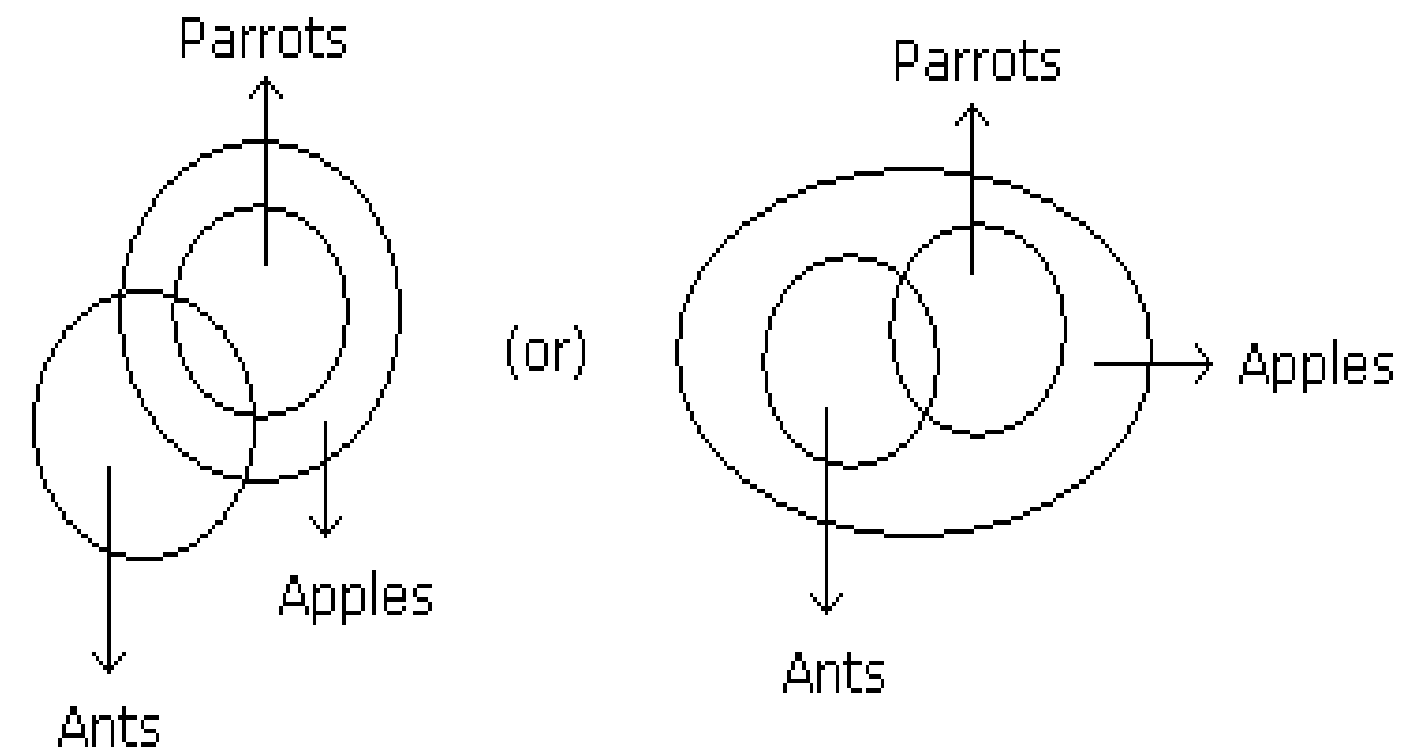
D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

(or)

Only (2) follow.

Answer: Option B

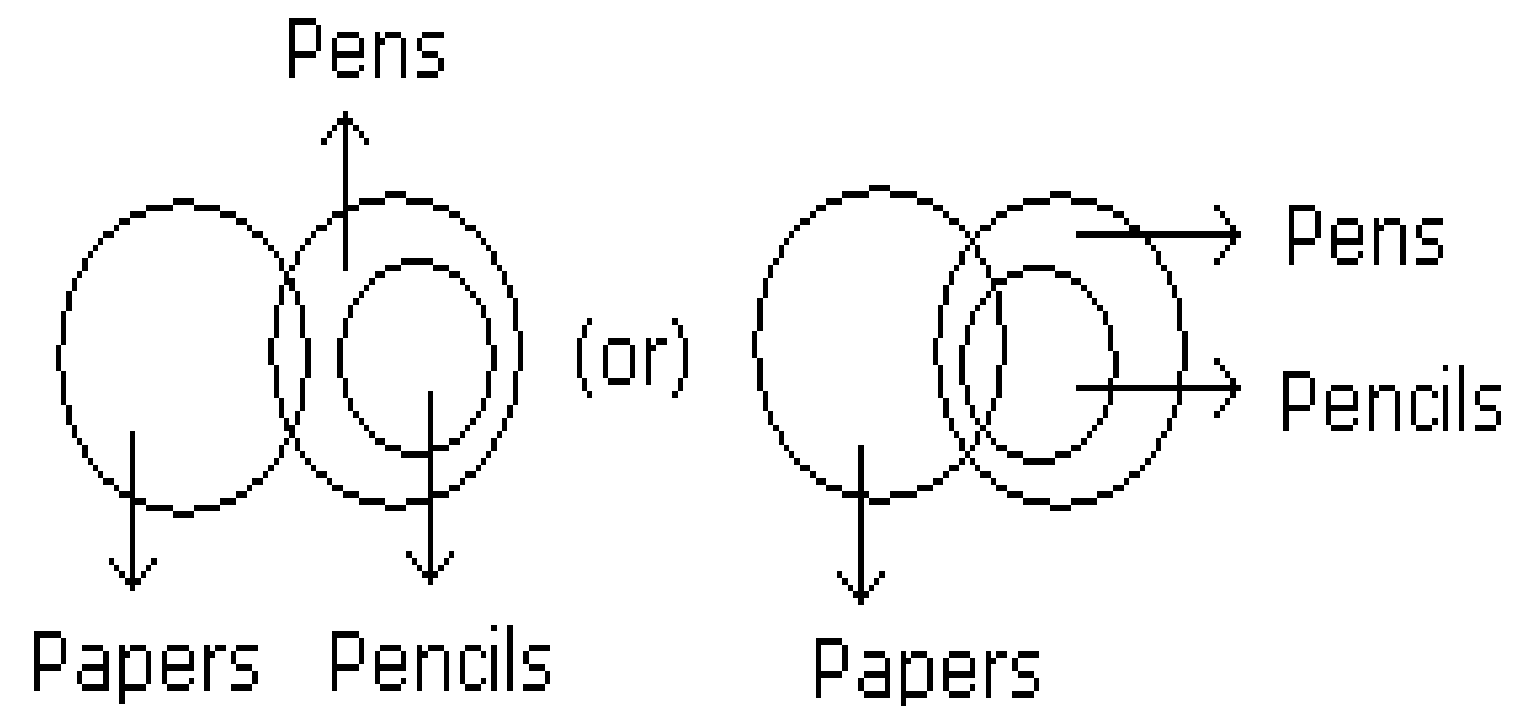**Statements:** Some papers are pens. All the pencils are pens.

Conclusions:

1. Some pens are pencils.

2. Some pens are papers.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Answer: Option **E**

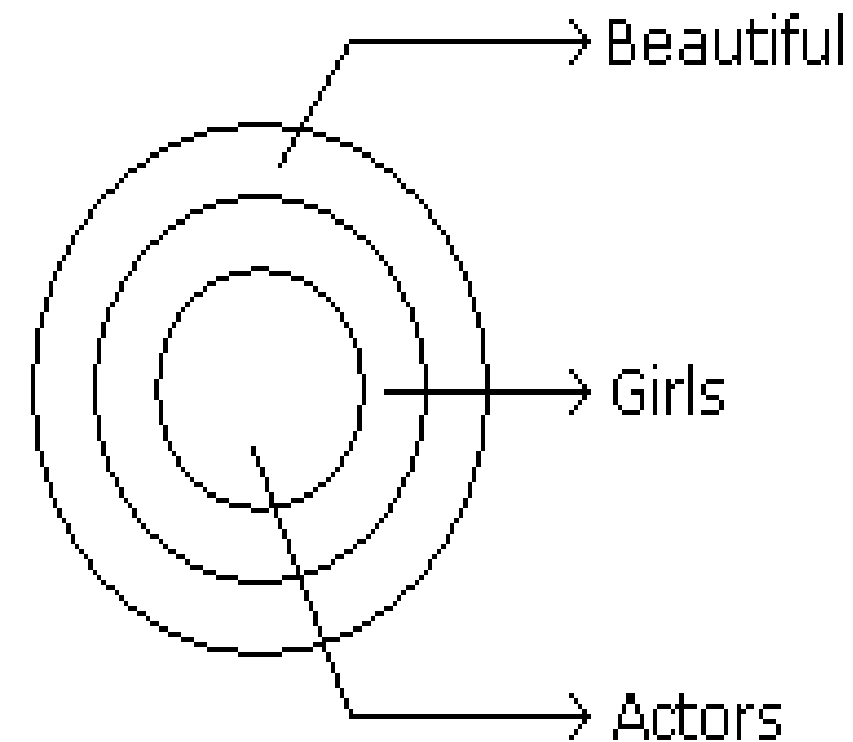**Explanation:**

Both (1) and (2) follow.

Statements: All the actors are girls. All the girls are beautiful.

Conclusions:

1. All the actors are beautiful.

2. Some girls are actors.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

Both (1) and (2) follows.

Answer: Option **E**

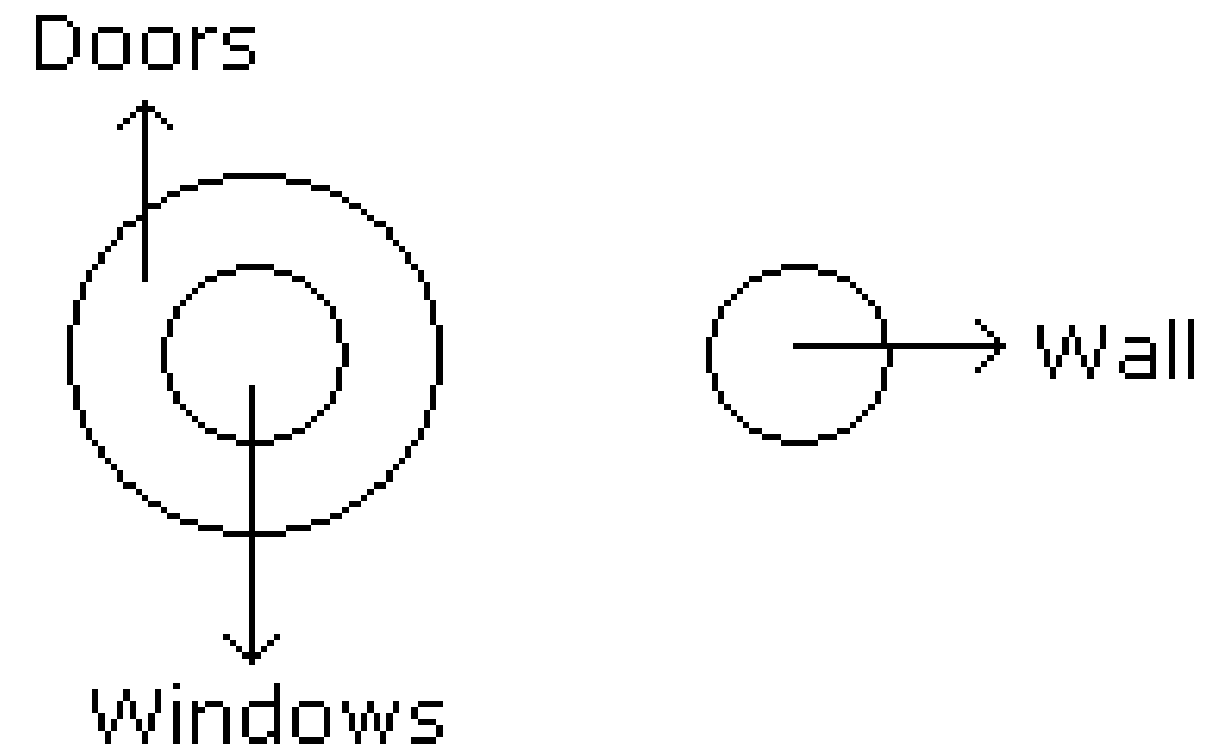**Statements:** All the windows are doors. No door is a wall.

Conclusions:

   1. Some windows are walls.

   2. No wall is a door.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

Doors

Windows

Wall

Only (2) follows.

Answer: Option **B**

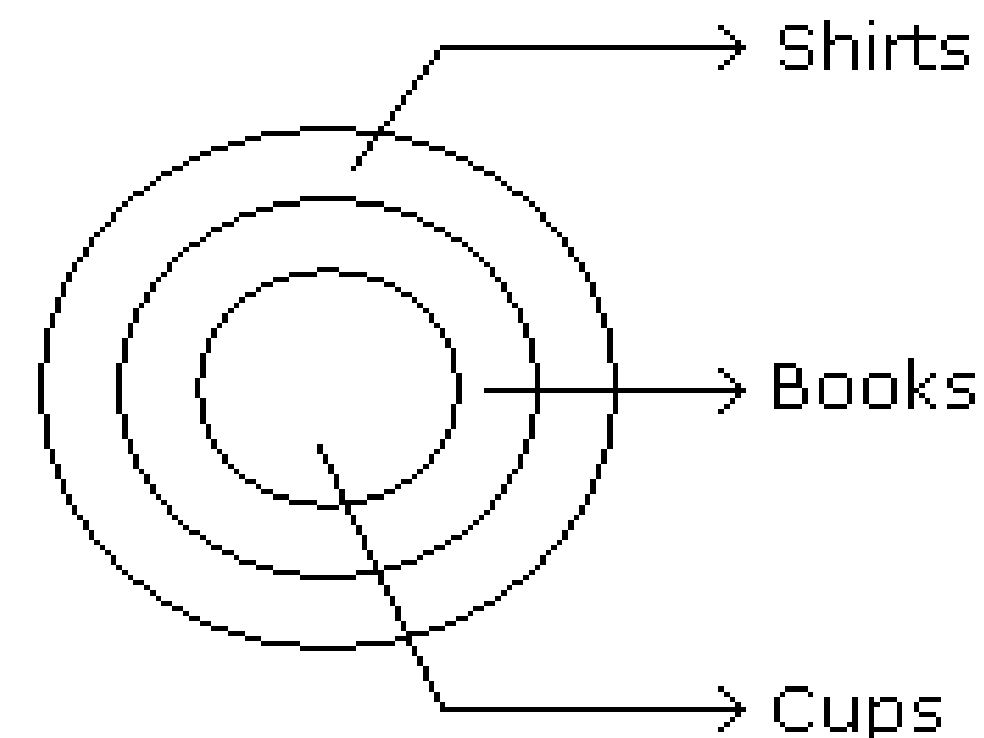**Statements:** All cups are books. All books are shirts.

Conclusions:

1. Some cups are not shirts.

2. Some shirts are cups.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

Only (2) follows.

Answer: Option B

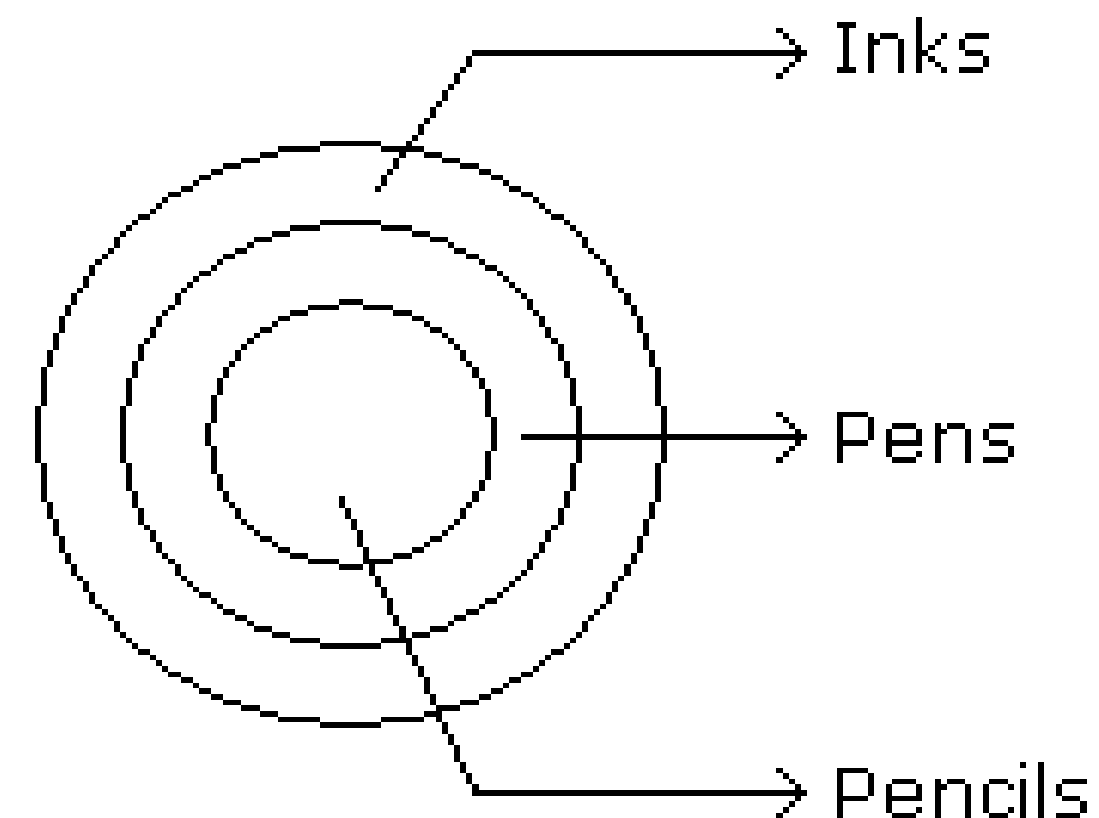**Statements:** All the pencils are pens. All the pens are inks.

Conclusions:

1. All the pencils are inks.

2. Some inks are pencils.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Answer: Option **E**

Explanation:

→ Inks

→ Pens

→ Pencils

Both (1) and (2) follow.

SYLLOGISMS

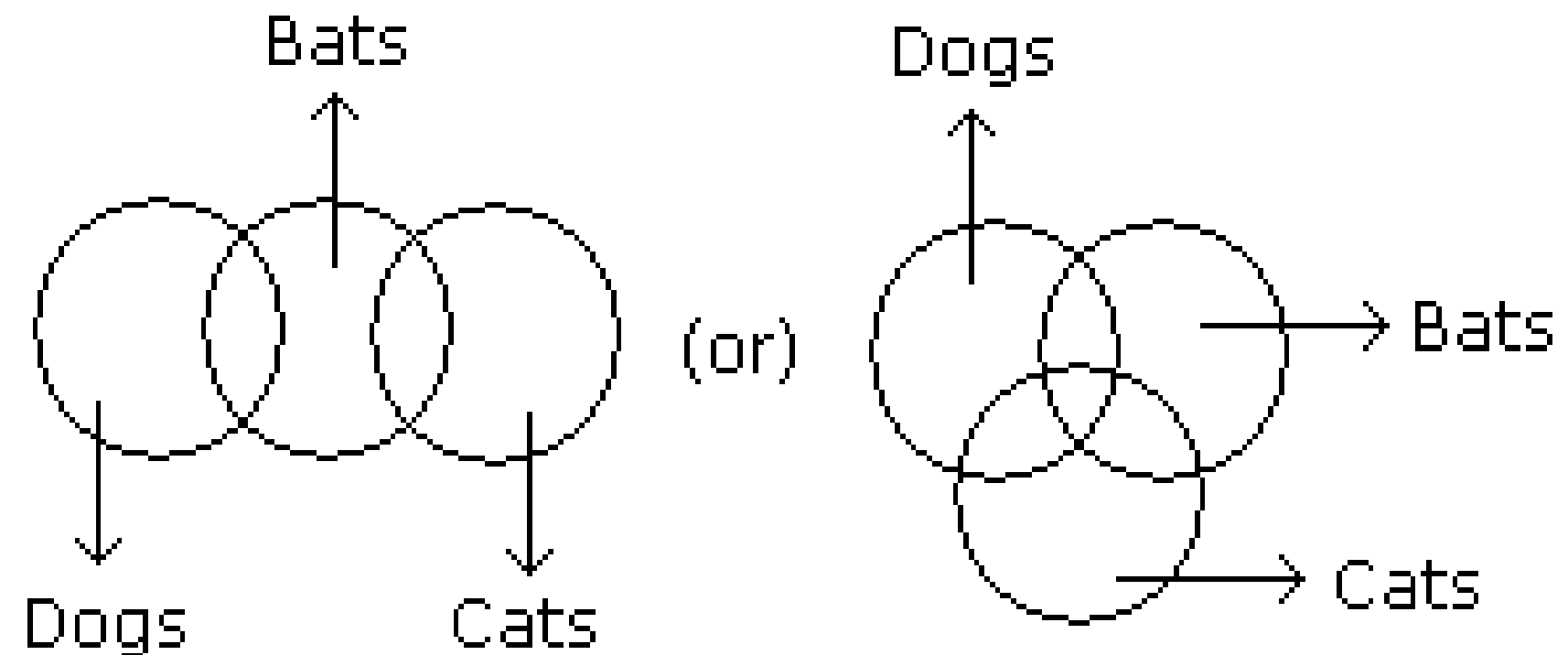**Statements:** Some dogs are bats. Some bats are cats.

Conclusions:

1. Some dogs are cats.

2. Some cats are dogs.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

(or)

None of the two follows.
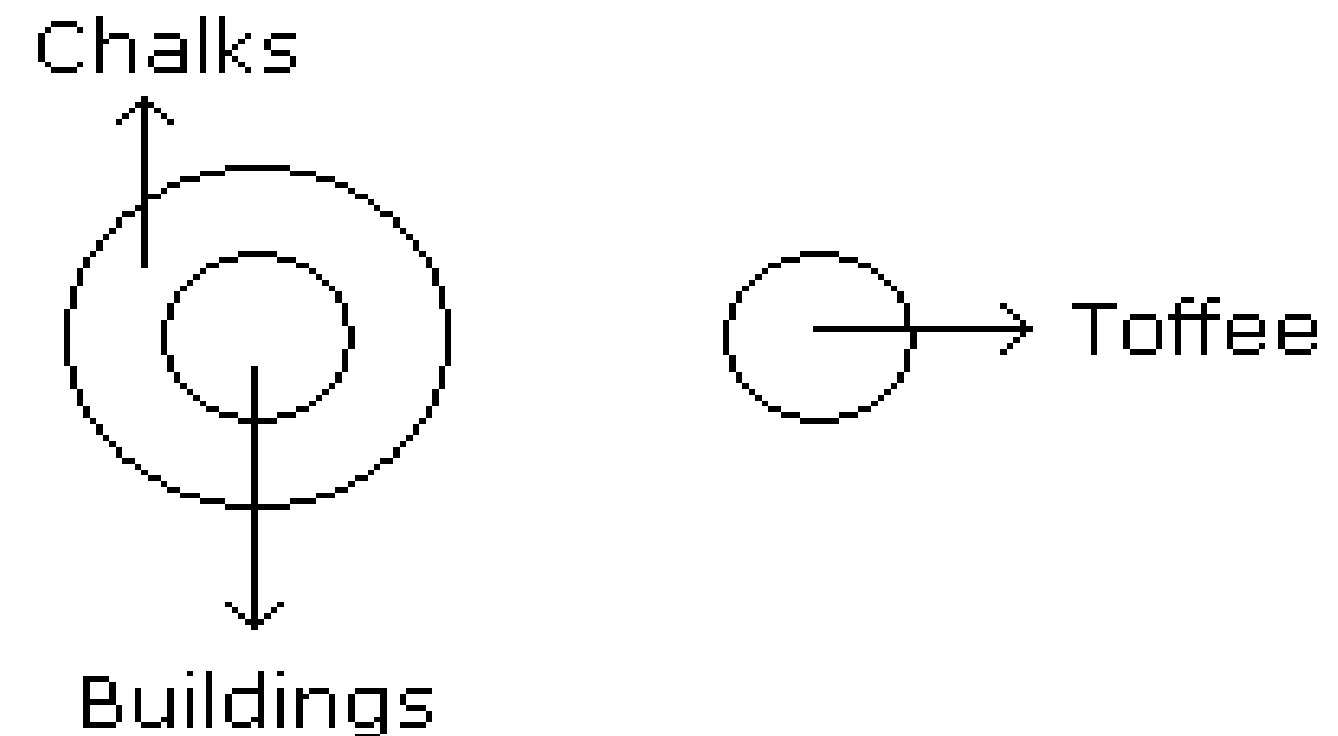
Answer: Option **D**

Statements: All buildings are chalks. No chalk is toffee.

Conclusions:

1. No building is toffee

2. All chalks are buildings.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

Only (1) follows.

Answer: Option **A**

SYLLOGISMS

Statements: All the trucks are flies. Some scooters are flies.

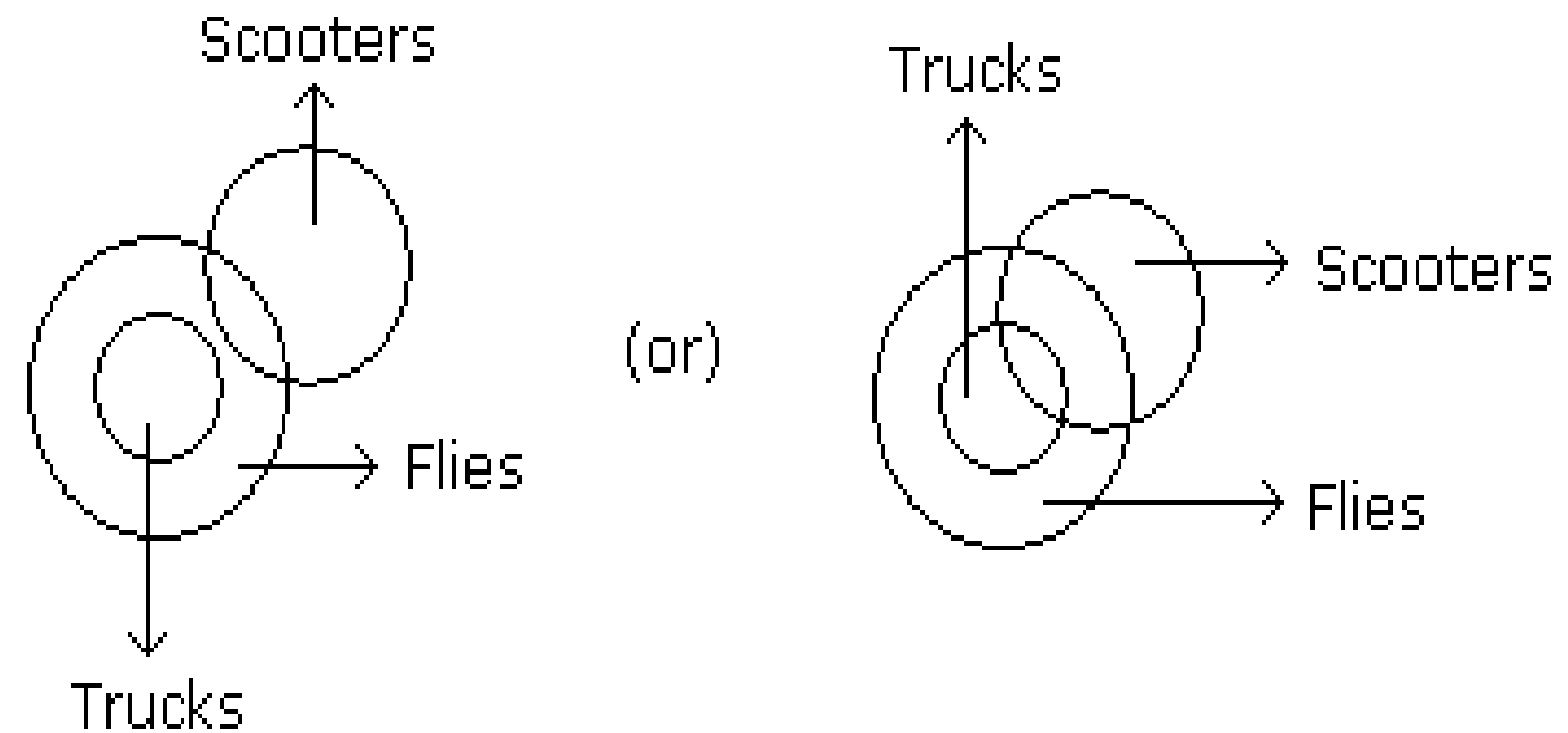**Conclusions:**

1. All the trucks are scooters.

2. Some scooters are trucks.

A. Only (1) conclusion follows

B. Only (2) conclusion follows

C. Either (1) or (2) follows

D. Neither (1) nor (2) follows

E. Both (1) and (2) follow

Explanation:

(or)

Neither (1) nor (2) follows.

Answer: Option **D**

THANK YOU