Reasoning

Syllogism

Level-2

Q1 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
All books are paper
Some notebooks are _____
Some notebooks are register
No register is notepad
Some drawing are _____
Conclusion:
Some books are register
Some drawing are notepad

1. Drawing, paper
2. Paper, book
3. Paper, notepad

(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) None of these option correct

Q2 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
All hills are forest

Some garden are _____
All garden are river
No river is _____
Conclusion:
Some forest are river
Some hills are soil is a possibility

1. Hills, soil
2. Soil, forest
3. Forest, soil
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or III
(E) None of the option is correct

Q3 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
All tea are plants
Some plants are coffee
Some milk are _____
No milk is black
Some black are _____
Conclusion:
Some coffee are not milk
Some milk are not juice

1. Juice, tea
2. Tea, juice

3. Juice, coffee
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) none of the given options are true

Q4 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
Only a few sand are clay
No Loam is _____
Some silt are loam
Some silt are not _____
Conclusion:
Some silt are not clay
Some sand are not loam

1. Peat, Clay
2. Sand, Peat
3. Clay, Peat

(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) Only II

Q5 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
Some black are _____
No black is red

Only a few red are green
No orange is _____
Conclusion:
Some blue are red
Some red is orange

1. Blue, black
2. Green, blue
3. Blue, green
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) None of the option is correct

Q6 **Directions: In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**
Statement:
Some cloth are silk
All silk is _____
No cotton is muslin
All _____ is muslin
Conclusion:
Some silk are not wool
Some cloth are not muslin

1. Cotton, wool
2. Wool, cloth
3. Wool, wool

(A) Only I
(B) Either II or III
(C) Only III
(D) Only II
(E) None of the option is correct

Q7 **In the question given below, some statements are given followed by conclusion. Some words**

from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.

Statement:
Some earrings are _____
No earring is bangle
All bangles are glass
No glass is _____
Conclusion:
Some rings are earrings
Some rings are not necklace

1. Necklace, ring
2. Ring, necklace
3. Glass, necklace
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) None is true

Q8 In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.

Statement:
Some monitor are USB
All USB are mouse
No keyboard are _____
All keyboard are CPU
No CPU are _____
Conclusion:
Some monitor are keyboards
Some USB are not printers

1. Printer, Mouse
2. Monitor, printer
3. Mouse, printer
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) None is true

Q9 In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.

Statement:
Some music are _____
All music are theater
No theater is mall
Some screen are _____
Conclusion:
Some music are not screen
Some theater are movie

1. Screen, movie

1. Movie, mall
2. Movie, music
(A) Only I
(B) Either II or III
(C) Only III
(D) Either I or II
(E) None is true

Q10 In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.

Statement:

Some speaker are boat

Only a few boat are Anker

No anker is _____

All sonos are _____

Conclusion:

Some Bose are not Anker

Some boat are not sonos

1. Bose, anker
2. Bose, speaker
3. Sonos, Bose

(A) Only I

(B) Either II or III

(C) Only III

(D) Either I or II

(E) None is true

Q11 **In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**

Statement:

No student is boy

Some girls are _____

Some girls are teachers

No teacher is _____

Conclusion:

Some girls are not students

Some school can be boys

1. Student, school
2. School, boys
3. Boys, school

(A) Only II

(B) Either I or II

(C) Only III

(D) Either I or III

(E) None is true

Q12 **In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given word should be placed in the blank to complete the statement.**

Statement:

Some buckets are _____

No bucket is mug

Some tanks are _____

No tank is bottle

Conclusion:

Some jars are not mugs

Some mugs are not bottles

1. Jars, bucket
2. Jars, mug
3. Bottle, mug

(A) Only I

(B) Either I or II

(C) Only II

(D) Either II or III

(E) None is true

Q13 **In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given words should be placed in the blank to complete the statement.**

Statement:

Only a few education are school

Only a few school are college

No university is _____

Some university are _____

Conclusion:

Some education are not institute

Some college are institute

 1. Institute, college
 2. College, institute
 3. Education, institute

(A) Only I

(B) Either II or III

(C) Only III

(D) Either I or II

(E) None is true

Q14 In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given words should be placed in the blank to complete the statement.

Statement:

Some trolley are _____

No trolley is suitcase

Some suitcase is backpack

Only a few backpacks are _____

Conclusion:

All bag are suitcase

Some purse are trolley

 1. Purse, bag
 2. Bag, purse
 3. Bag, trolley

(A) Only I

(B) Either II or III

(C) Only III

(D) Either I or II

(E) None is true

Q15 In the question given below, some statements are given followed by conclusion. Some words from the statement are missing. On the basis of given conclusions, you have to choose which of the given words should be placed in the blank to complete the statement.

Statement:

All _____ are snips

All tools are snips

No snip is bolt

Some bolt is _____

Conclusion:

Some wires are not bolt

Some nails are not snips

 1. Nail, wire
 2. Wire, nail
 3. Nail, snip

(A) Only I

(B) Either I or II

(C) Only II

(D) Either II or III

(E) None is true

Q16 The Question has a set of seven statements followd by options consisting of three statements put together in a specific order. Choose the options that indicate a combination where the third statement can can be logically deducted from the first two statements and that option will be your answer.

Statements:

I. Some B are not C.

II. Some D are C.

III. Some D are Z.

IV. Some G are C.

V. All Z are B.

VI. Some F can be B.

VII. All D are G

(A) II, III, V   (B) III, V, II

(C) III, I, VI   (D) II, VII, IV

(E) None of these

Q17 **Read both the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

Statements:

All black are orange

All orange are violet

No violet is red

Conclusions:

I. Some black are red

II. All violet is orange

(A) Only I follow

(B) Only II follow

(C) Both I and II follow

(D) Neither I nor II follow

(E) Either I or II follow

Q18 **Read both the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

Statements:

All white are yellow

Some yellow are blue

No blue is pink

Conclusions:

I. All yellow being pink is a possibility

II. Some white are blue

(A) Only I follow

(B) Only II follow

(C) Both I and II follow

(D) Neither I nor II follow

(E) Either I or II follow

Answer Key

Q1	(E)		Q10	(C)
Q2	(D)		Q11	(C)
Q3	(E)		Q12	(C)
Q4	(C)		Q13	(E)
Q5	(E)		Q14	(E)
Q6	(A)		Q15	(C)
Q7	(E)		Q16	(D)
Q8	(E)		Q17	(D)
Q9	(E)		Q18	(D)

Hints & Solutions

Q1 **Text Solution:**

Statement:

All books are paper

Some notebooks are _____

Some notebooks are register

No register is notepad

Some drawing are _____

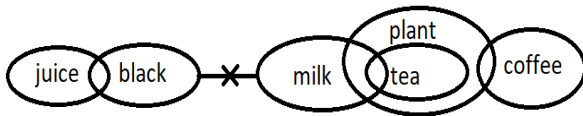1. **Drawing, paper**: if we place drawing in the first blank and paper in second blank then the least possible venn-diagram is given below
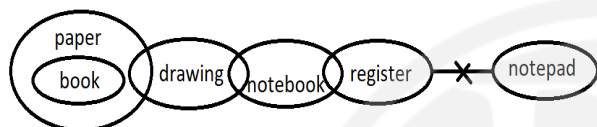
Conclusion:

Some books are register: false

Some drawing are notepad: false

2. **Paper, book:** if we place paper in the first blank and book in second blank then the least possible venn-diagram is given below
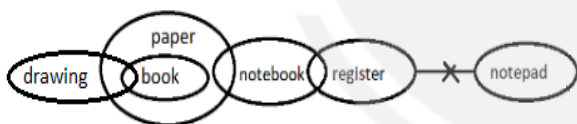
Conclusion:

Some books are register: false

Some drawing are notepad: false

3. **Paper, notepad :** if we place paper in the first blank and notepad in second blank then the least possible venn-diagram is given below
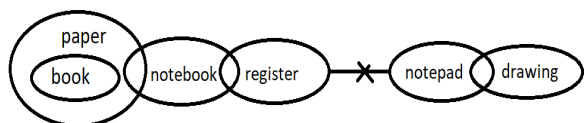
Conclusion:

Some books are register: false

Some drawing are notepad: true

Therefore, none of the given options are true.

Q2 **Text Solution:**

Statement:

All hills are forest

Some garden are _____

All garden are river

No river is _____

1. Hill, soil: if place hill in first blank and soil in second blank, the least possible venn-diagram is given below
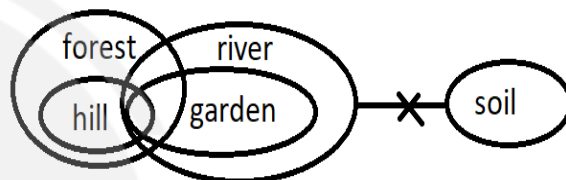
Conclusion:

Some forest are river: true

Some hills are soil is a possibility: true

2. Soil, forest: if we place soil in first blank and forest in second blank than the least possible venn diagram is given below
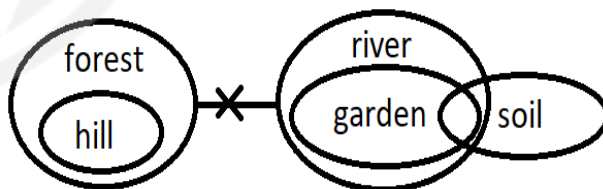
Conclusion:

Some forest are river: false

Some hills are soil is a possibility: true

3. Forest, soil : if we place forest in first blank and soil in second blank than the least possible venn diagram is given below
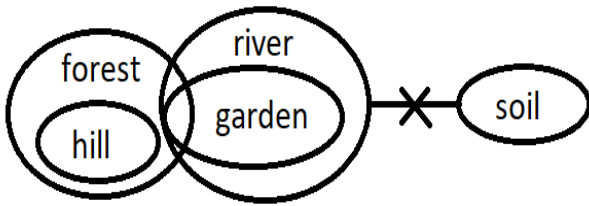
Conclusion:

Some forest are river: true

Some hills are soil is a possibility: true

Therefore, I and III are the correct option to be placed in the black.

Q3 Text Solution:

Statement:

All tea are plants

Some plants are coffee

Some milk are _____

No milk is black

Some black are _____

1. **Juice, tea:** if we place juice in the first blank and tea in second blank then the least possible venn-diagram is given below
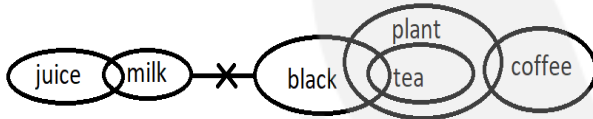
Conclusion:

Some coffee are not milk: false

Some milk are not juice: false

2. **Tea, juice:** if we place tea in the first blank and juice in second blank then the least possible venn-diagram is given below

Conclusion:

Some coffee are not milk: false

Some milk are not juice: true

3. **Juice, coffee:** if we place tea in the first blank and juice in second blank then the least possible venn-diagram is given below
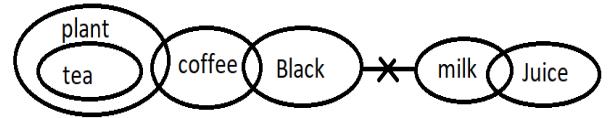
Conclusion:

Some coffee are not milk: true

Some milk are not juice: false

Therefore, none of the given options are true.

Q4 Text Solution:

Statement:

Only a few sand are clay

No Loam is _____

Some silt are loam

Some silt are not _____

1. **Peat, clay**: if we place peat in the first blank and loam in the second black, the least possible venn-diagram will be
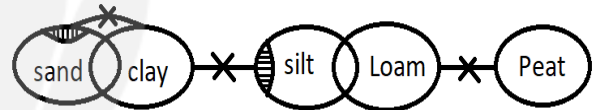
Conclusion:

Some silt are not clay: True

Some sand are not loam: False

2. **Sand, Peat: i**f we place sand in the first blank and loam in the second blank, the least possible venn-diagram is
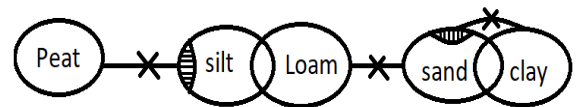
Conclusion:

Some silt are not clay: False

Some sand are not loam: True

3. **Clay, Peat: i**f we place loam in the first black and peat in second blank than the least possible venn diagram is given below
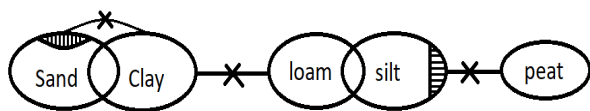
Conclusion:

Some silt are not clay: True

Some sand are not loam : True

Therefore, III is the correct option.

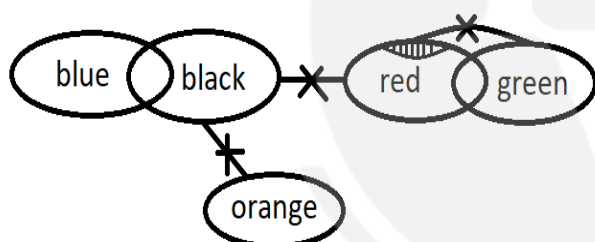**Q5   Text Solution:**

Statement:

Some black are _____

No black is red

Only a few red are green

No orange is _____

1. **Blue, black:** if we place blue in the first blank and black in the second blank, the least possible venn-diagram is given by

Conclusion:

Some blue are red: false

Some red is orange: false

2. **Green, blue:** if we place green in the first blank and blue in the second blank, the least possible venn-diagram is
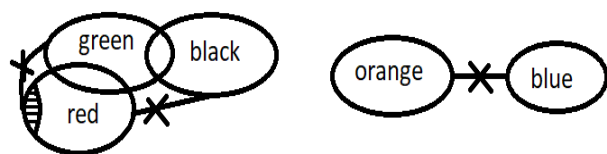
Conclusion:

Some blue are red: false

Some red is orange: false

3. **Blue, green:** if we place blue in the first blank and green in the second blank, the least possible venn-diagram is given by
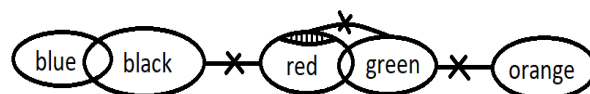
Conclusion:

Some blue are red: false

Some red is orange: false

Therefore, none of the option is correct.

Q6   Text Solution:

Statement:

Some cloth are silk

All silk is _____

No cotton is muslin

All _____ is muslin

1. Cotton, wool: if we place cotton in first blank and wool in second blank, the least possible venn-diagram is given below
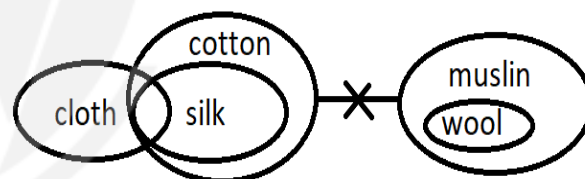
Conclusion:

Some silk are not wool: true

Some cloth are not muslin: true

2. Wool, cloth : if we place wool in first blank and cloth in second blank than the least possible venn diagram is given below
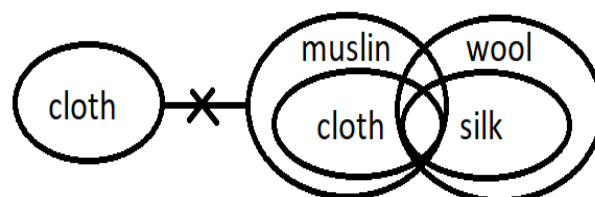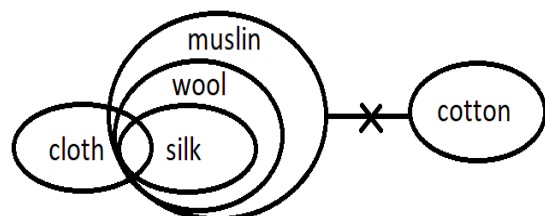
Conclusion:

Some silk are not wool: false

Some cloth are not muslin: true

3. Wool, wool: if we place wool in first blank and wool in second blank than the least possible venn diagram is given below

Conclusion:

Some silk are not wool: false

Some cloth are not muslin: true

Therefore, I is the correct option to be placed in the black.
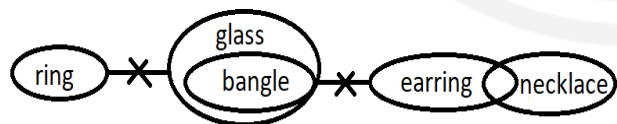
Q7 Text Solution:

Statement:

Some earrings are _____

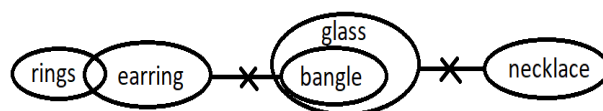No earring is bangle

All bangles are glass

No glass is _____

1. **Necklace, ring:** if we place glass in the first blank and necklace in second blank then the least possible venn-diagram is given below

Conclusion:

Some rings are earrings: false

Some rings are not necklace: false

2. **Ring, necklace:** if we place ring in the first blank and necklace in second blank then the least possible venn-diagram is given below

Conclusion:

Some rings are earrings: true

Some rings are not necklace: false

3. **Glass, necklace:** if we place glass in the first blank and necklace in second blank then there is no ring and so conclusion would not follow.

Some rings are earrings : false

Some rings are not necklace : false

Therefore, none of the given options are true.

Q8 Text Solution:
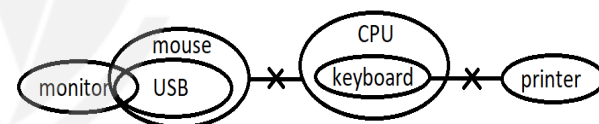
Statement:

Some monitor are USB

All USB are mouse

No keyboard are _____

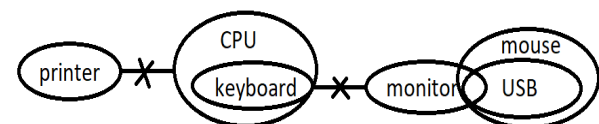All keyboard are CPU

No CPU are _____

1. **Printer, mouse:** if we place printer in the first blank and mouse in second blank than the least possible venn-diagram is given below

Conclusion:

Some monitor are keyboards: false

Some USB are not printers: false

2. **Monitor, printer:** if we place monitor in the first blank and printer in second blank than the least possible venn-diagram is given below
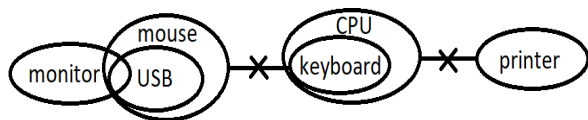
Conclusion:

Some monitor are keyboards: false

Some USB are not printers: false

3. Mouse, printer: if we place mouse in the first blank and printer in second blank then the least possible venn-diagram is given below

Conclusion:

Some monitor are keyboards: false

Some USB are not printers: false

Therefore, none of the given options are true.
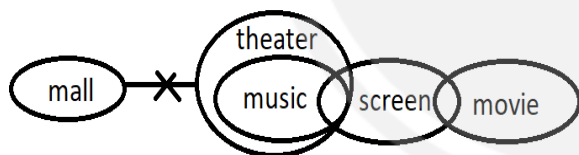
Q9 **Text Solution:**

Statement:

Some music are _____

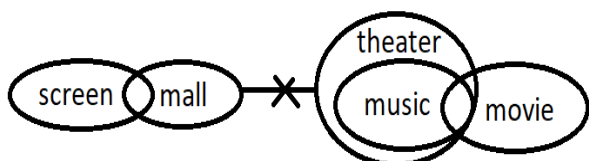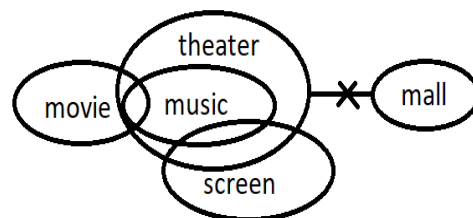All music are theater

No theater is mall

Some screen are _____

1. **Screen, movie:** if we place screen in the first blank and movie in second blank than the least possible venn-diagram is given below

Conclusion:

Some music are not screen: false

Some theater are movie: false

2. **Movie, mall:** if we place movie in the first blank and mall in second blank than the least possible venn-diagram is given below

Conclusion:

Some music are not screen: false

Some theater are movie: true

3. **Movie, music :** if we place movie in the first blank and mall in second blank then the least possible venn-diagram is given below

Conclusion:

Some music are not screen: false

Some theater are movie: true

Therefore, none of the given options are true.

Q10 **Text Solution:**

Statement:

Some speaker are boat

Only a few boat are Anker

No anker is _____

All sonos are _____

1. Bose, anker: if place bose in first blank and anker in second blank, the least possible venn-diagram is given below
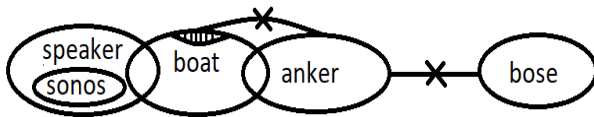

Conclusion:

Some Bose are not Anker: true

Some boat are not sonos: false

2. bose, speaker: if we place sonos in first blank and boat in second blank than the least possible venn diagram is given below
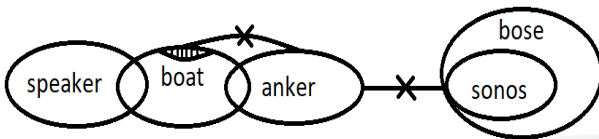
Conclusion:

Some Bose are not Anker: true

Some boat are not sonos: false

3. sonos, bose: if we place sonos in first blank and bose in second blank than the least possible venn diagram is given below

Conclusion:

Some Bose are not Anker: true

Some boat are not sonos: true

Therefore, III is the correct option to be placed in the black.

Q11 Text Solution:

Statement:

No student is boy

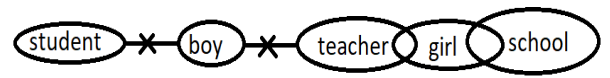Some girls are _____

Some girls are teachers

No teacher is _____

1. **Student, school:** if we place student in first blank and school in second blank. The least possible venn diagram is given by

Conclusion:

Some girls are not students: false

Some school can be boys: true

2. **School, boys:** if we place school in first blank and boys in second blank. The least possible venn diagram is given by

Conclusion:

Some girls are not students: false

Some school can be boys: true

3. **Boys, school:** if we place boy in first blank and school in second blank. The least possible venn diagram is given below.

Conclusion:

Some girls are not students: true

Some school can be boys: true

Therefore, III option is correct.

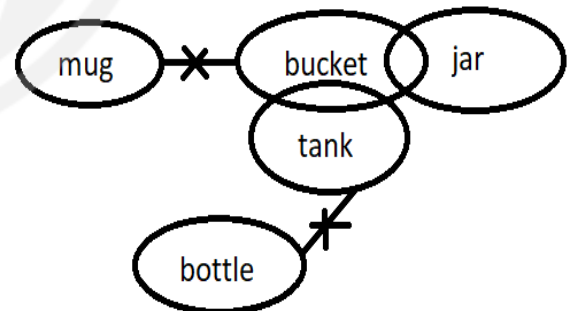**Q12 Text Solution:**

Statement:

Some buckets are _____

No bucket is mug

Some tanks are _____

No tank is bottle

1. Jars, bucket: if we place jars in first blank and bucket in second blank. The least possible venn diagram is given by
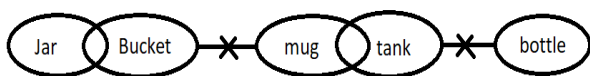

Conclusion:

Some jars are not mugs: false

Some mugs are not bottles: false

2. Jars, mug: if we place jars in first blank and mug in second blank. The least possible venn diagram is given by
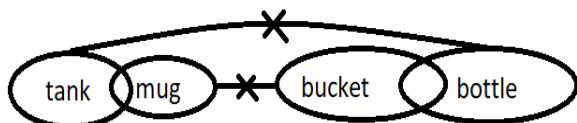
Conclusion:

Some jars are not mugs: true

Some mugs are not bottles: true

3. Bottle, mug: if we place bottle in first blank and mug in second blank. The least possible venn diagram is given by

Which is a contradictory diagram.

Therefore, II option is the correct.

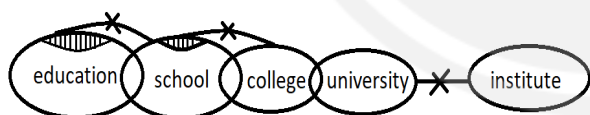**Q13   Text Solution:**

Statement:

Only a few education are school

Only a few school are college
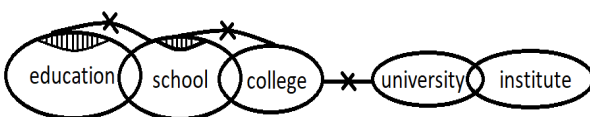
No university is _____

Some university are _____

1. **Institute, college**: if we place institute in the first blank and college in the second blank, the least possible venn-diagram is given by

Conclusion:

Some education are not institute: false
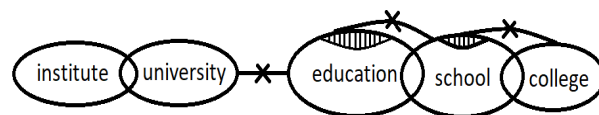
Some college are institute: false

2. **College, institute:** if we place college in the first blank and institute in the second blank, the least possible venn-diagram is given by

Conclusion:

Some education are not institute: false

Some college are institute: false

3. **Education, institute:** if we place education in the first blank and institute in the second blank, the least possible venn-diagram is given by

Conclusion:

Some education are not institute: true

Some college are institute: false

Therefore, none of the option is correct.
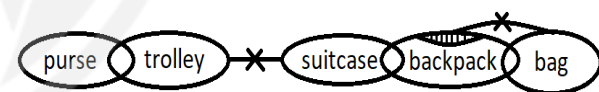
Q14   Text Solution:

Statement:

Some trolley are _____

No trolley is suitcase

Some suitcase is backpack
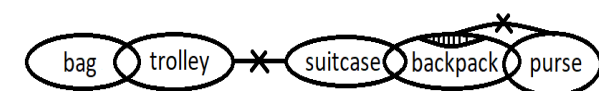
Only a few backpacks are _____

1. **Purse, bag:** if we place purse in the first blank and bag in the second blank, the least possible venn-diagram is given by

Conclusion:

All bag are suitcase: false

Some purse are trolley: true

2. **Bag, purse**: if we place bag in the first blank and purse in the second blank, the least possible venn-diagram is given by
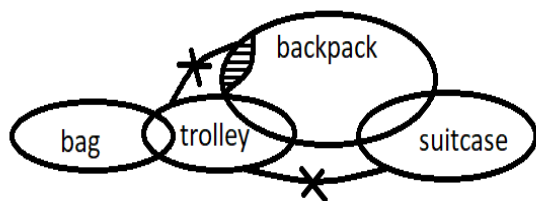

Conclusion:

All bag are suitcase: false

Some purse are trolley: false

3. **Bag, trolley:** if we place bag in the first blank and trolley in the second blank, the least possible venn-diagram is given by

Conclusion:

All bag are suitcase: false
Some purse are trolley: false
Therefore, none of the option is correct.

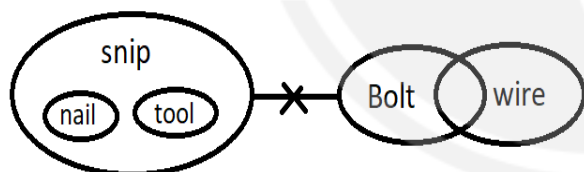**Q15 Text Solution:**
Statement:
All _____ are snips
All tools are snips
No snip is bolt
Some bolt is _____

1. Nail, wire: if we place nail in first blank and wire in second blank. The least possible venn diagram is given by
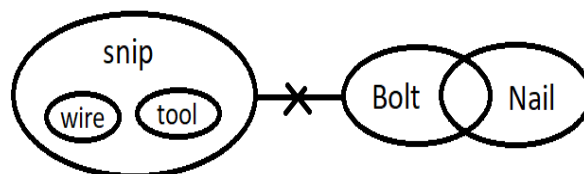

Conclusion:

Some wires are not bolt: true
Some nails are not snips: false

2. Wire, nail: if we place wire in first blank and nail in second blank. The least possible venn diagram is given by

Conclusion:

Some wires are not bolt: true
Some nails are not snips: true

3. Nail, snip: if we place nail in first blank and snip in second blank. There will be contradiction in the diagram.

Therefore, II option is the correct.

Q16 Text Solution:
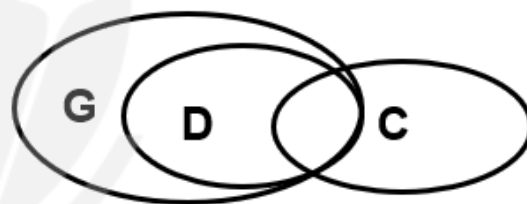**Hence, option D is the correct answer.**
Final answer:
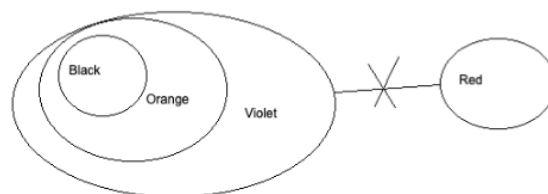**Statements:**
II. Some D are C.
VII. All D are G
Conclusion:
IV. Some G are C.

Q17 Text Solution:

Conclusion I: Some black are red
Some black are red is not true as all black are violet and no violet is red.
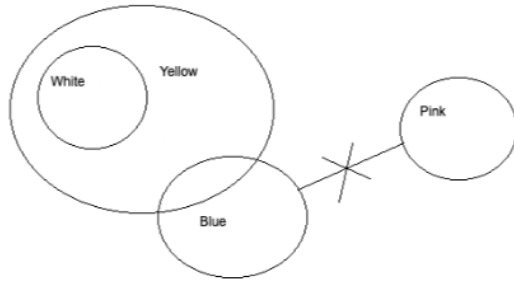Conclusion II: All violet is orange
All violet is orange is not true as all orange are violet.

Neither I nor II follow.

Q18 Text Solution:

Conclusion I: All yellow being pink is a possibility
All yellow can never be pink because some yellow are blue and no blue is pink.

Conclusion II: Some white are blue
Some white are blue is not true, as there is no direct relationship between white and blue in the diagram.

Neither I nor II follow.