

TATA CONSULTANCY SERVICES

REASONING ABILITY

Ahmedabad Technical Faculties TDC Kochi

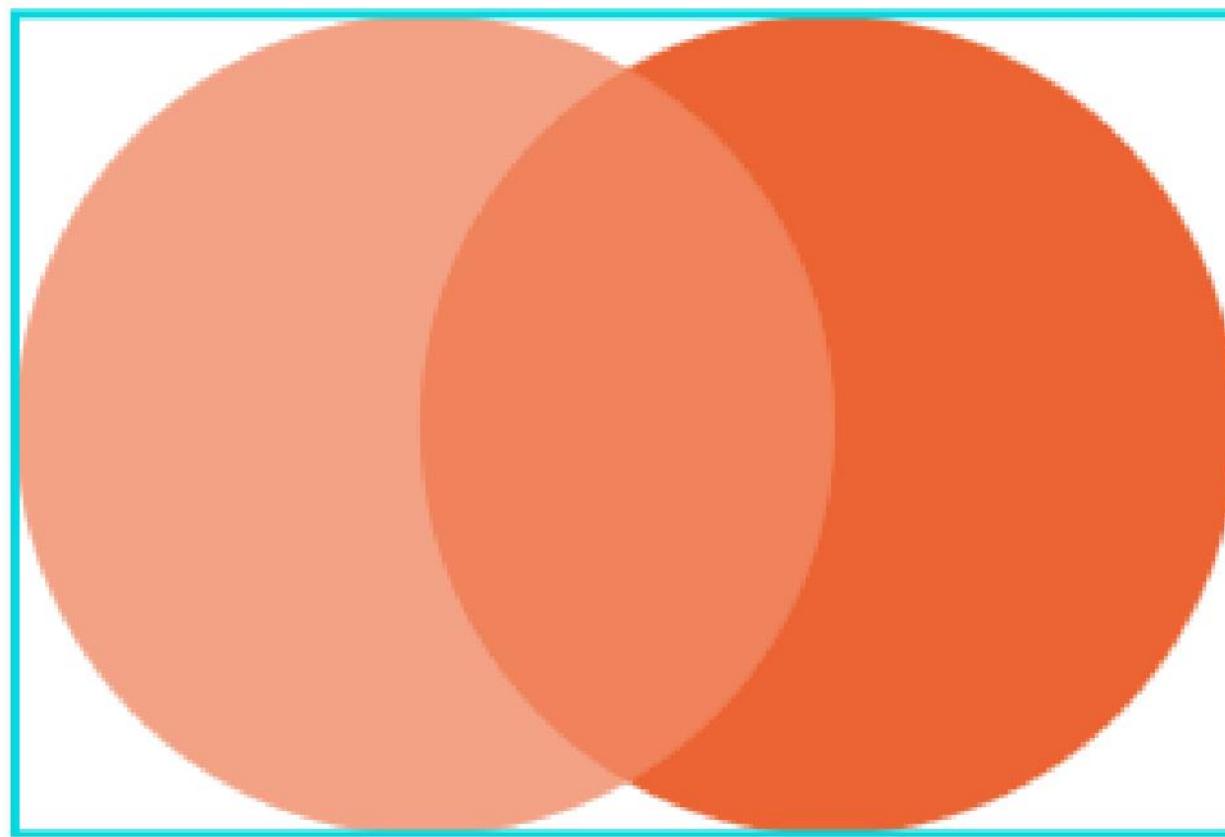
SYLLOGISM

Syllogism contains three statements
Major Premise A general statement

Minor Premise A specific statement

Conclusion Based on the two premises

Read the question and the concept and draw
the Venn diagram



EXAMPLE 1

Statement \rightarrow All the pencils are open \rightarrow All the pens are inked

Conclusion \rightarrow All the pencils are inked \rightarrow Some inked are pencils

□

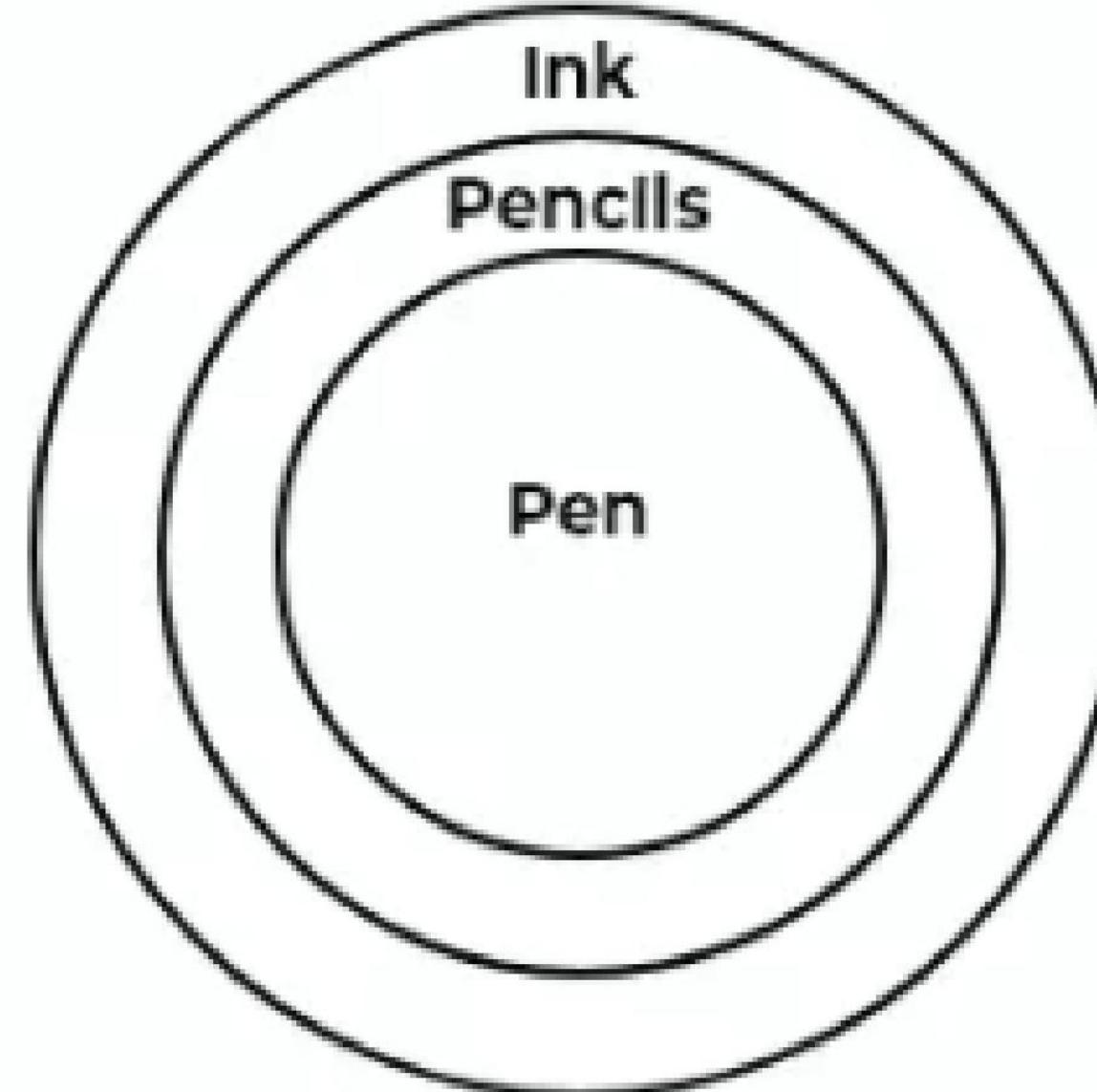
□ □ Only follow

□ □ Only I follow

□ □ Either A or A I follow

□ □ Both and I follow

SOLUTION



Both hands follow

EXAMPLE 2

Statement AdMo □ CPU □ Aekēboā Ad □ Nōkēboā Ad □ □ Mo □ e □ All Mo □ e □ Ae □ CPU

Conclusion Ad □ Some kēboā Ad □ Ae □ CPU □ □ All □ CPU □ Ae □ Mo □ e □ □ Nō Mo □ e □ □
ke □ boā Ad □ □ □ Some Mo □ e □ Ae □ kēboā Ad

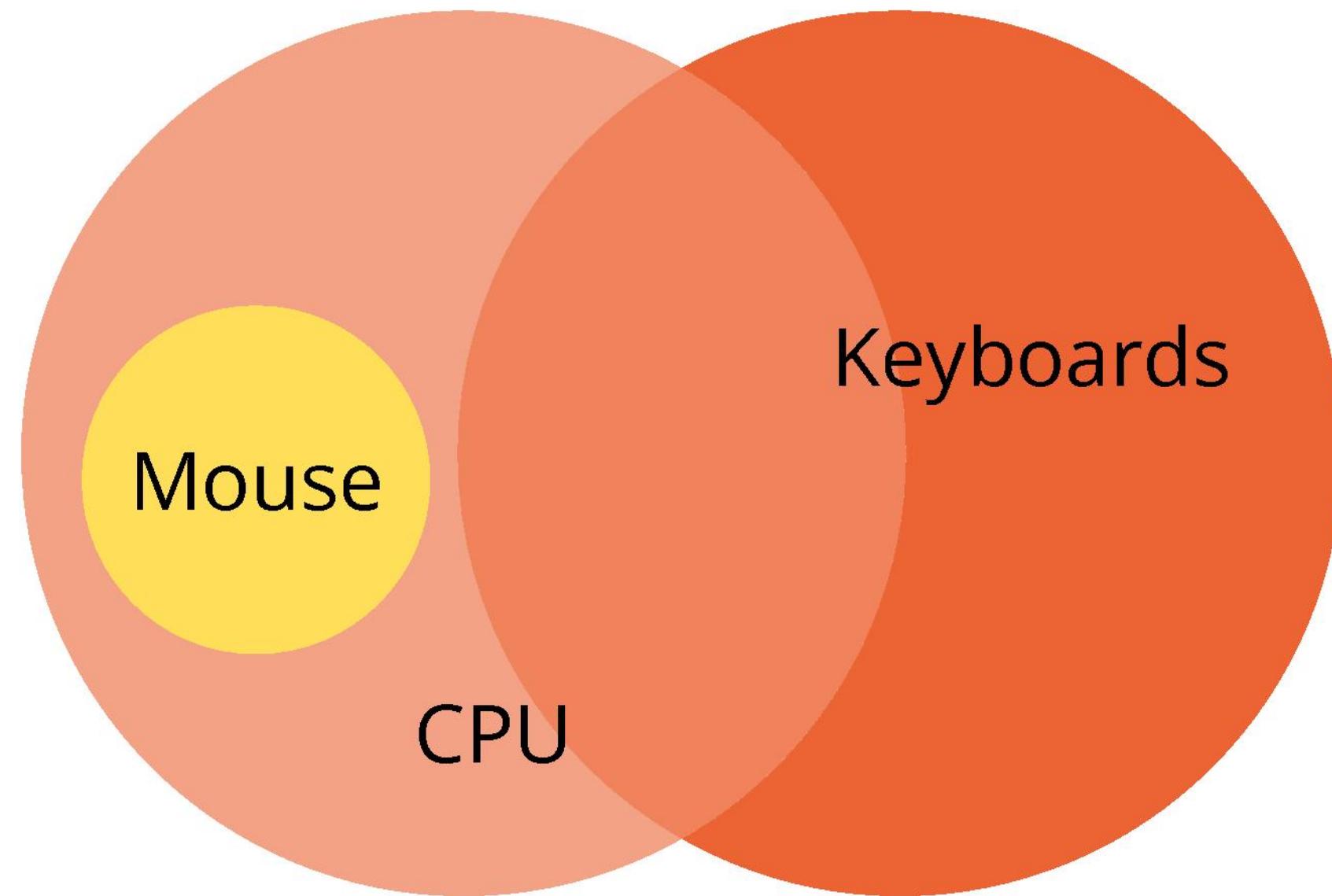
□ □ Onl □ □ follo □ □

□ □ Onl □ □ and □ follo □

□ □ Onl □ □ and □ follo □ □

□ □ Onl □ □ follo □

SOLUTION



Only 1 and 3 follow

EXAMPLE 3

Statement A: Some students are Afraid of All corporal punishment.

Conclusion: Some students are Afraid of corporal punishment.

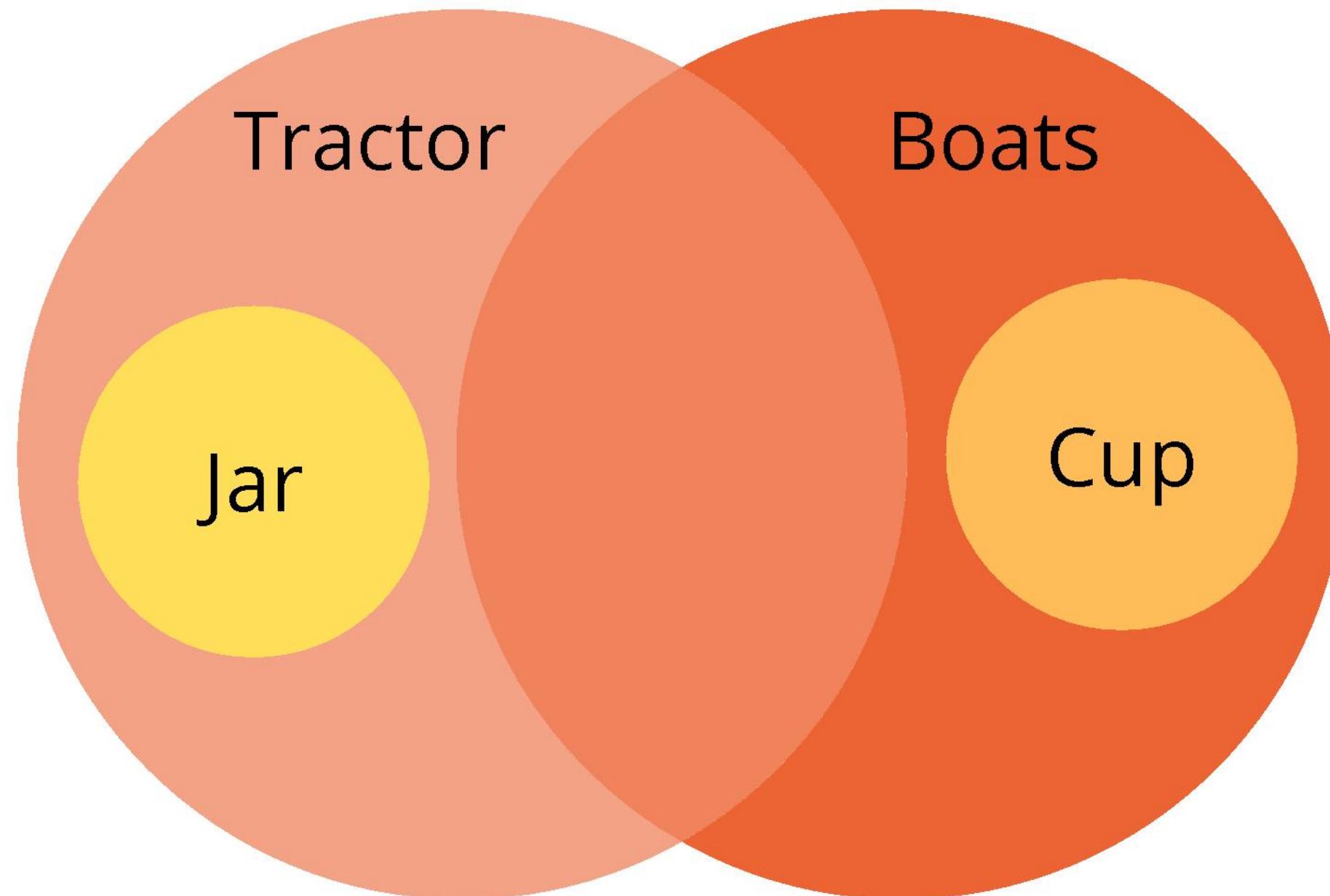
□ Only and follow

□ Only and follow

□ Only and follow

□ None follow

SOLUTION



None follows

EXAMPLE 4

Statement A: Some handsome men are tall. Some tall men are either All or some men.

Conclusion A: Some men are tall and some handsome men are men.

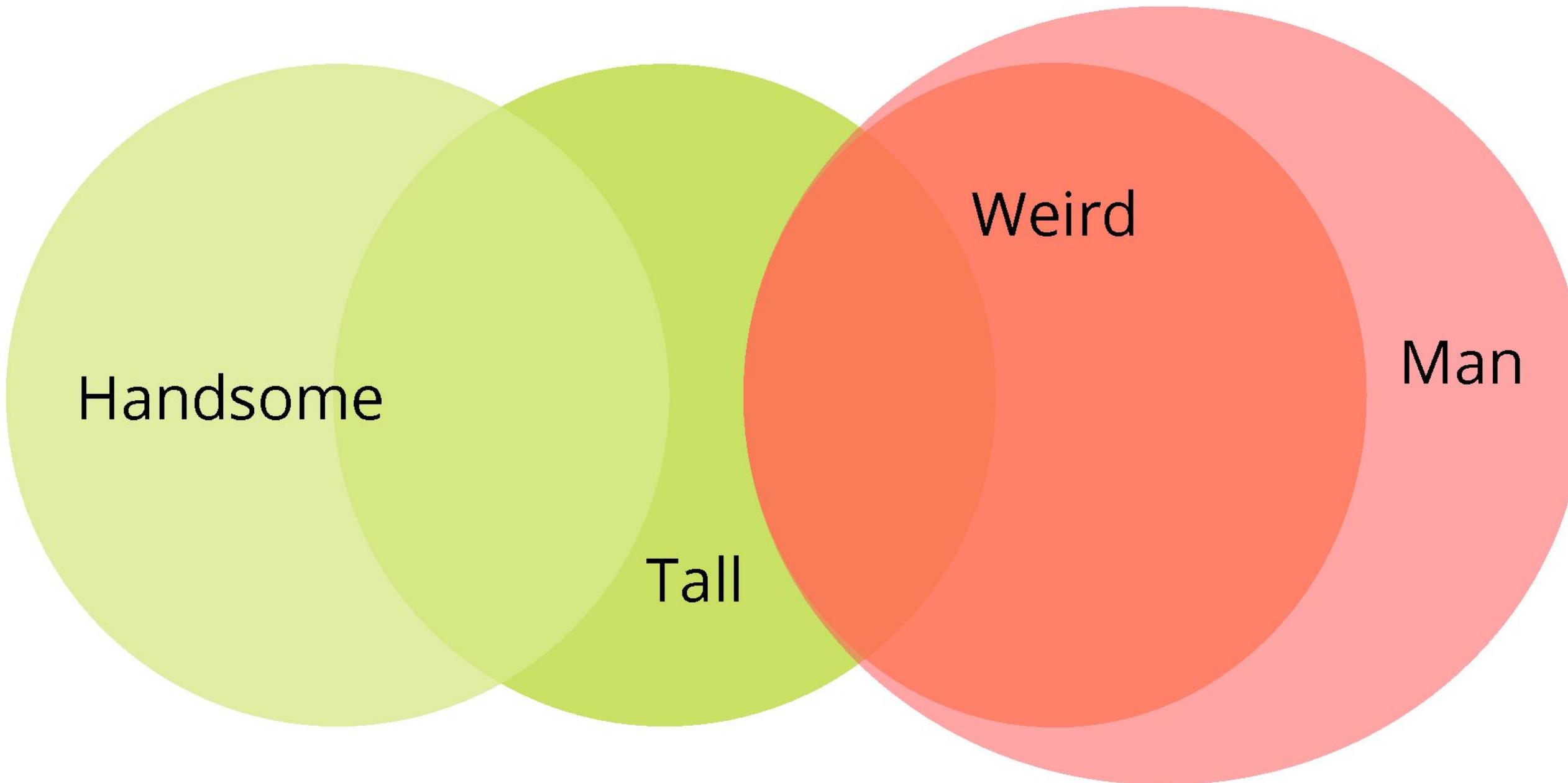
□ Only follow □

□ Only follow □

□ Both and follow □

□ None follow □

SOLUTION



Only 1 follows

EXAMPLE 5

Sæmen All Ca Ao Æbi Ad Some telephone Ae Ca Ao All bed hee Æ telephone

Conclusion All bed hee Aebi Ad Some bed hee Aebi Ad Some bi Ad Ae telephone All telephone Aebi Ad

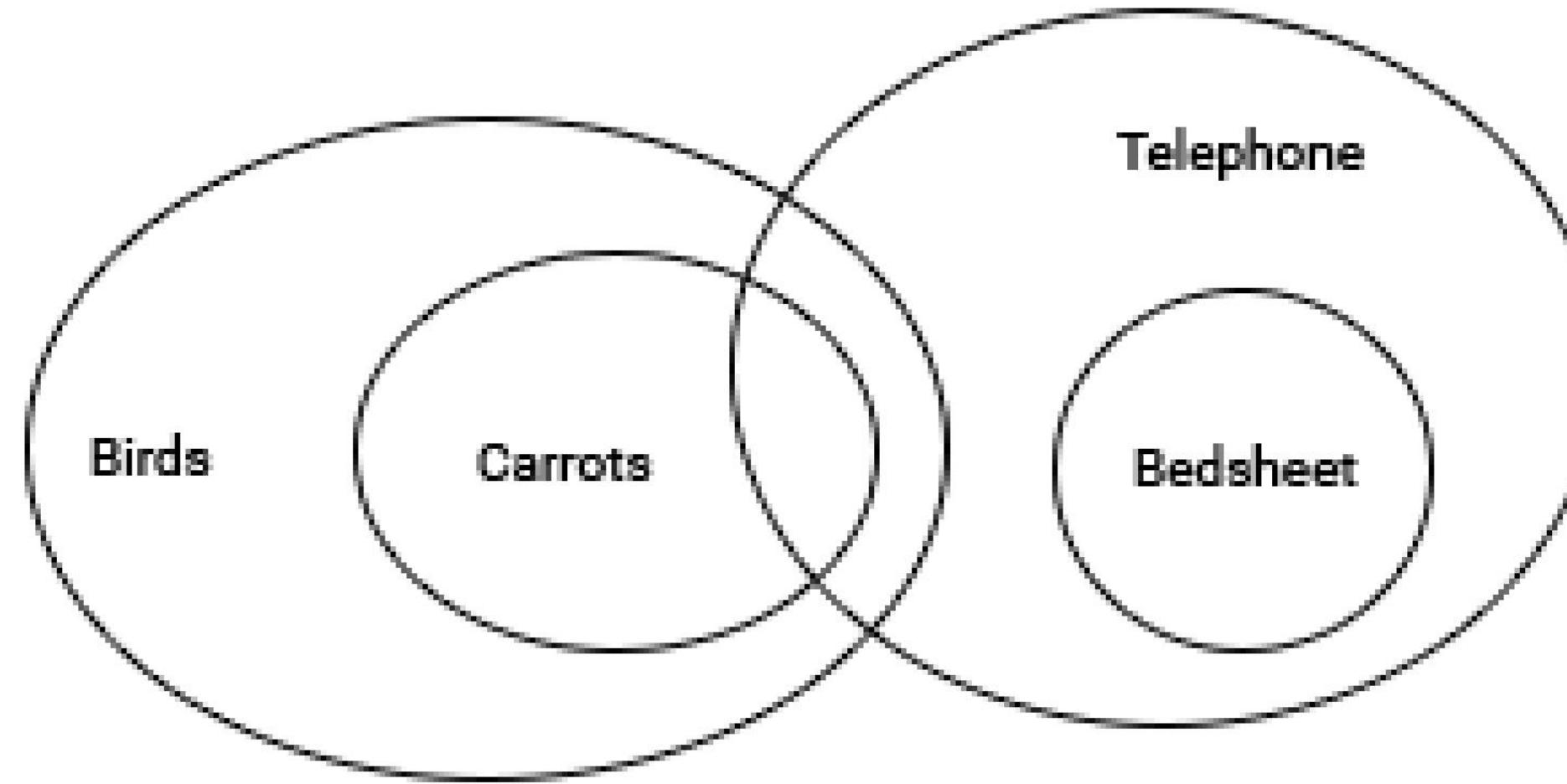
Only follow

Only follow

Only and follow

Only follow

SOLUTION



Onl□□follo□□

DATA SUFFICIENCY

- Question follows the same statement
- Find out whether the given statement is sufficient
to answer the question asked
- According to the given statement the required information provided

EXAMPLE 1

I □ T □ o □ l □ m a □ c h □ b a □ m e n □ c o □ A e d □ d i f f e □ A e n □ n □ m b e □ A o f □ A n □ H o □ m a n □ b a □ m e n □ h a □ e
□ c o □ A e d □ m o □ A e □ A n □ h a n □ D h o n i □

I □ R a h a n e □ c o □ A e d □ d e □ h a n □ Y □ o □ A a j □ a n d □ m o □ A e □ h a n □ R a i n a

II □ K o h l i □ c o □ A e d □ h i c h □ d e □ h a n □ D h o n i

III □ R a i n a □ c o □ A e d □ h i c h □ d e □ h a n □ D h a □ a n

□ □ O n l i □ o f f i c i e n □

□ □ B o d h □ a n d □ m a □ A e □ o f f i c i e n □

□ □ B o d h □ a n d □ m a □ A e □ o f f i c i e n □

□ □ S a □ m e n □ m a □ n d □ m a □ A e □ o f f i c i e n □

SOLUTION

Raina D 0 0

Dhaan D 0 0

Rahane D 0 0

Yaj D 0 0

Kohli D 0 0

Dhoni D 0 0

So nobody can afford to let han Dhoni. You need all the elements to find the answer easily.

Hence Statement and Aefficient

EXAMPLE 2

How many den in the class

I The Aem Aem Aem han bode than den in the class

II The Aem Aem Aem han bode than den in the class The number of
den in the class can be divided into groups of each group contains
den

Statement alone is sufficient while statement alone is not sufficient

Statement alone is sufficient while statement alone is not sufficient

Statement alone is not sufficient while statement alone is sufficient

Both the statements together are sufficient while neither statement alone is sufficient

Both the statements together are not sufficient while one statement alone is sufficient

SOLUTION

From Statement A Number of Students in class 1000000

From Statement 1A Number of Students in class 1000000

Common in both statements

The number of students can be divided into groups of 1000000 denoted by the letter A. The number of students can be multiple of 1000000

The number of students in the class 1000000

EXAMPLE 3

Но о таңағенде ое Raholhaде

Raholha де оғенде ошанда ha Nehalha

Riaha де оғенде ошанда ha Nehalha

Rajha де оғенде hicha Aes N of ha Nehalha

□□Onlɑmɑfficienɑ

□□Onlɑmɑfficienɑ

□□BoħandAefficienɑ

□□BoħandAefficienɑ

□□BoħandAefficienɑ

SOLUTION

Rahul Neha D

Nof Neha

Neha

Rahul D

Bohdand Ae efficien an eAchiqreion

EXAMPLE 4

On which day of the week did Monday follow Sunday? ViA reached Aalia on Friday.

I Anonhka Aeached Aalia on Friday

II ViA Aeached Aalia after Tuesday

III ViA Aeached before Aelia

- Only one sufficient
- Only one sufficient
- Both and are sufficient
- and are sufficient
- Data inadequate

SOLUTION

Dan made a ~~plan~~ via cold calling and reached Australia on Wednesday. The plan

EXAMPLE 5

Who among Big Show and Undertaker and Macho Man and John Cena is the heaviest?
I) Undertaker is heavier than John Cena
II) Big Show is heavier than Macho Man and Undertaker
III) John Cena is heavier than the heaviest man in the ring

- Only one is sufficient
- Both and are sufficient
- and are sufficient
- Data inadequate

SOLUTION

Data is inadequate. The relation between UnderAttack and MassHenAttack is
defined. The heading could be either UnderAttack or MassHenAttack.

RESOURCES

□ □ PAgeIn □ □

□ □ FacePAge

□ □ Yo□Tobe

Please practice as often as possible because that is the only way to improve cognitive skills.

ASSIGNMENT-1 SOLUTION

1 □ 72061089

2 □ 248

3 □ 59

4 □ 36419

5 □ 41

6 □□ □□ □□□ □

7 □□ □□□ □

8 □ 63

THANK YOU

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