Selvam College of Technology

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,
An ISO 9001:2015 Certified Institution, Approved by AICTE - New Delhi, Affiliated to Anna University - Chennai

PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL - 637003. TAMILNADU.
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Name of the Bundle	Proficient Bundle V2	Subject	Aptitude
Topic	Syllogism	Last updated on	9 March 2024

SYLLOGISM

Type 1

All A's are B's   AAAA

Or   BBBBBB
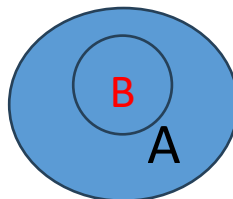
Only B's are A's
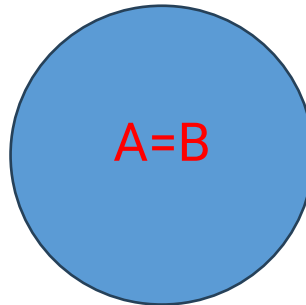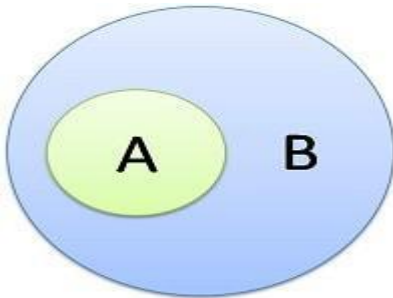
Type 2 (Some = At least)   AAAA

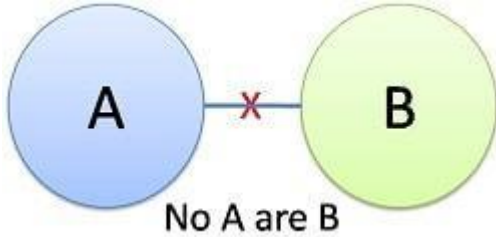**Some A's are B's**   BBBB
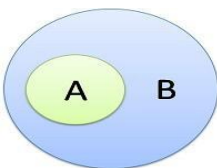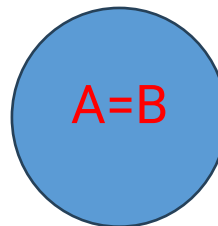
Some B's and A's

IT Support and Development Training Programme
Creating Employable Engineers and Entrepreneurs

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Type 3   AAAAXXXX

No A's is B's   XXXXBBBB

No A are B

Type 4 (Some Not –Only A Few)   AAAAXX

Some A's are not B's   XXBBBB
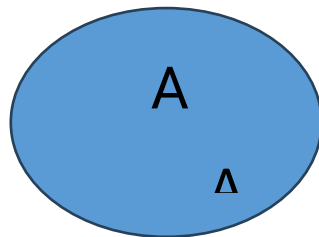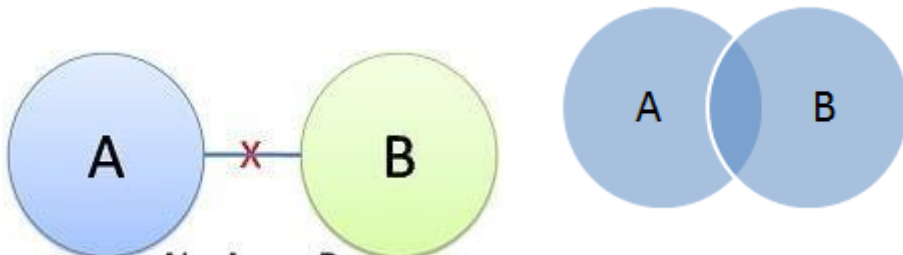
![Selvam College of Technology]

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NOTE: Complementary Pairs

CHECK it in conclusion.

(Some, No)

(Some not, All)

(Some, No)

1) Statements:

All engineers are teachers

All teachers are authors

Conclusions:

All engineers are authors

All authors are engineers

Only (1) conclusion follows

Only (2) conclusion follows

Either (1) or (2) follows

Neither (1) nor (2) follows

Both (1) and (2) follow
Ans: conclusion Only (1) follows

Solution:

EEEE

TTTTTT

AAAAAAA

i) yes

ii) /

2)Statements:

All engineers are teachers

some teachers are authors

Conclusions:

Some teachers are engineers

Some authors are teachers

Only (1) conclusion follows

Only (2) conclusion follows

Either (1) or (2) follows

Neither (1) nor (2) follows

Both (1) and (2) follow

Ans: Both (1) and (2) follow

Solution:

EEEE

TTTTTT

     AAAA

i) Yes

ii) Yes

3)Statements:

All engineers are teachers

Some teachers are authors

No author is a poet

Conclusions:

All engineers are posts

Some teachers are not poets

Some engineers are authors

Ans: Only (2) conclusion follows

Solution:

EEEE

TTTTTT

    AAAAXXXX

    XXXX PPPP

i)/

ii)yes

iii)/

4)Statements:

All engineers are teachers

Some teachers are not authors

All author are post

Conclusions:

Some engineers are authors

No engineers is authors

Some poets are authors

Ans: Either i) or ii) &3 follows.

Solution:

EEEE

TTTTTTXX

XXAAAA

PPPPPP

i)/

ii)/ Either i) or ii)

iii) yes

5)Statements:

All computers are laptops

Some laptops are tablets

Conclusions:

Some laptops are computers

Some tablets are computers

Ans: only i follows

Solution:

CCCC

LLLLLL

    TTTT

I)Yes

ii)/

6)Statements:

All capsules are tablets

No tablets is syrup

Conclusions:

No capsule is syrup

Some tablets are capsules

Ans: both i & ii follows

Solution:

CCCC

TTTTTTXXXX

XXXXXXSSSS

I)Yes

ii)Yes

7)Statements:

Some Pens are Brushes

All brushes are markers

Conclusions:

Some markers are pens

No pen is markers

Ans: only i follow.

Solution:

PPPP

**   BBBB**

**   MMMMMM**

I)Yes

ii)No

8)Statements:

Some Batmen are players

All players are fielders

Conclusions:

Some batsmen are fielders

No batsman is fielder

Ans: only i follow.

Solution:

BBBB

    PPPP

    FFFFFF

i)Yes

ii)No

Name of the Bundle	Proficient Bundle V2	Subject	Aptitude
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9)Statements:

All switches are lights

Some lights are not wires

Conclusions:

Some switches are wires

No switch is wire

Ans:either i or ii follows

Solution:

SSSS

LLLLLL

    XXWWWW

I)/

ii)/

IT Support and Development Training Programme
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10)Statements:

Some elephants are lions

Some lions are tigers

Conclusions:

Some tigers are elephants

No elephant is tiger

Ans:either i or ii follows

Solution:

EEEE

    LLLL

        TTTT

I)/

ii)/

11)Statements:

 Some rivers are seas

 Some seas are oceans

Conclusions:

Some oceans are seas

Some seas are rivers

Ans:both (i)and(ii) follows.

Solution:

RRRR

   SSSS

      OOOO

i)Y

ii)Y

12)Statements:

All gardens are forest

Some forests are estates

No estate is law

Conclusions:

Some gardens are estate.

Some forests are not lawns

No garden is estate

Ans:Conclusion ii & either i or iii follows

Solution:

GGGG

FFFFFF

    EEEEXXXX

    XXXXLLLL

i)/

ii)Y

iii)/

13)Statements:

Some scooters are Bikes

Some bikes are cycle

No cycle is tricycle

Conclusions:

Some scooters are not tricycle

Some bikes are not tricycles

All bikes are tricycles

Ans: only ii follows

Solution:

SSSS

   BBBB

      CCCCXXXX

      XXXXTTTT

i)/

ii)Y

iii)N

14)Statements:

Some books are not magazine

Some magazines are papers

All paper are leaflets

Conclusions:

Some magazines are leaflets

Some books are leaflets

All books are leaflets

Ans: only i follows

Solution:

BBBB

   XXMMMM

        PPPP

        LLLLLL

i)Y

ii)/

iii)/

15)Statements:

No professor is scientist

Some doctors are teacher

All teachers are professors

Conclusions:

No teacher is scientist

Some teachers are scientists

Some doctors are students

Ans: only i follow.

Solution:

DDDD

   TTTT

    PPPPPPXXXX

    XXXXXXSSSS

i)Y

ii) N

iii)/

16)Statements:

 Some guides are friends

 Some doctors are guides

 All friends are students

Conclusions:

Some doctors are students

Some guides are scientists

No students is doctors

Ans: Conclusion 2 & Either 1 or 3 follow

Solution:

DDDD

    GGGG

        FFFF

        SSSSSS

i)/

ii) Y

iii)/

17)Statements:

No office is bank

All offices are shops

No company is bank

Conclusions:

Some companies are offices

Some companies are not shops

Some shops are not banks

Ans: Only 3 follows

Solution:

CCCCXXXX

XXXXBBBBXXXX

    XXXXOOOO

       SSSSSS

i)/

ii)/

iii)Y

18)Statements:

All equations are identities

All formulae are equations
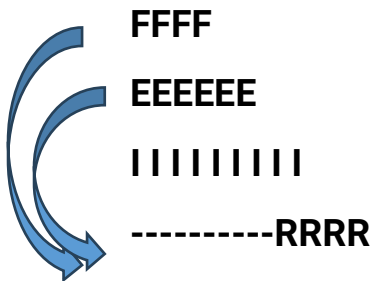
Some results are identities

Conclusions: Rare Case

No formulae is result

All formulae are identities

Some equations are results

Ans: 2 & Either 1 Or 3 follows

Solution:

FFFF

EEEEEE

I I I I I I I I I   **NOTE :(SOME, NO) Complementary Pair**

----------RRRR

i)/

ii)Y

iii)/

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19)Statements:

All cups are glasses.

Some glasses are jars

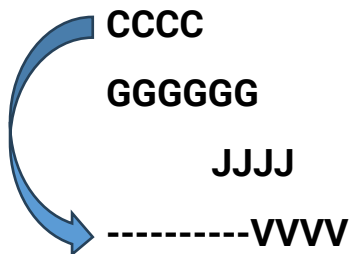**Some jars are vessels**

Conclusions: (Rare case)

Some cups are vessels

some cups are not vessels

     Some glasses are cups   **NOTE: (SOME = NO) Complementary Pair**

Ans: Conclusion 3, Either 1 or 2 follows

Solution:

CCCC

GGGGGG

    JJJJ

----------VVVV

i)/

ii)/

iii)Y

20)Statements:

Some colleges are universities

No university is academy

All schools are college

Conclusions: (Rare case)

No school is academy

Some colleges are academy

All universities are schools

Ans:Either 1 or 2 follows
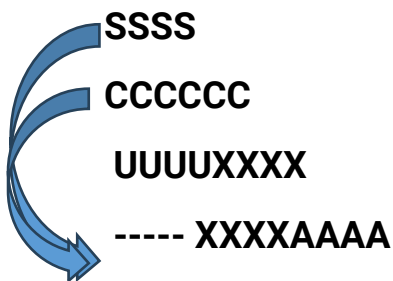
Solution:

SSSS

CCCCCC

UUUUXXXX

----- XXXXAAAA

i)/

ii)/

iii)N

21) Statements:

No rat is hen

Some cats are rats

All hens are cows

All dogs are cats

Conclusions:

At least some cows are not rats

At least Some cats are not hens

Some dogs being rat is a possibility

All dogs are cows

Ans: Conclusion 1,2 &3 follows

Solution:

DDDD

CCCCCCa

      RRRRXXXX

      XXXXHHHH

            CCCCCCw

i)Y

 ii)Y

iii)Y

iv)/