

### **Aspire to Inspire**

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### **SYLLOGISMS**

1. Statements:

All spheres are cuboids.

Some cuboids are cones.

Conclusions:

I. Some cones are spheres.

- II. Some cuboids are spheres.
- 2. Statements:

All pirates are from the Caribbean.

All bowlers are from the Caribbean.

Conclusions:

- I. Some pirates are bowlers.
- II. All bowlers are pirates.
- 3. Statements:

All Laptops are i-pods.

Some PC's are Laptops.

**Conclusions:** 

- I. Some PC's are i-pods
- II. No PC is an i-pod
- 4. Statements:

All pets are animals

All animals are birds.

Conclusions:

- I. All pets are birds.
- II. Some pets are not birds
- 5. Statements:

No twist is a test.

Some tests are texts.

Conclusions:

- I. Some twists are not texts.
- II. Some texts are not twists.

Statements:

6. All snails are seals.

No snake is a snail.

Conclusions:

- I. No snail is a snake
- II. Some snakes are not seals
- 7. Statements:

No mare is a puppy.

All puppies are horses.

Conclusions:

- I. All mares are horses.
- II. Some horses are not mares.
- 8. Statements:

Some trees are leaves.

No trees is flowers.

**Conclusions:** 

- I. Some flowers are not leaves.
- II. Some leaves are not flowers.

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9. Statements:

Some lecturers are teachers.

Some teachers are professors.

Conclusions:

I. Some lecturers are professors.

II. No lecturer is a professor.

10. Statements:

Some pens are pencils.

Some pencils are not erasers.

Conclusions:

I. All erasers are pens.

II. Some erasers are not pens.

11. Statements:

All funnels are flasks.

No flask is a beaker.

All funnels are test tubes.

Conclusions:

I. Some test tubes are not beakers.

II. No funnel is a beaker.

12. Statements:

Some towns are villages.

Some villages are lanes.

Some lanes are hamlets.

**Conclusions:** 

I. Some hamlets are villages.

II. Some lanes are towns.

III. Some hamlets are not villages.

- 1) None follows
- 2) Only I follows
- 3) Only II follows
- 4) Only III follows
- 5) Only either I or III follows

13. Statements:

Some rivers are hills.

No hill is taxi.

All taxis are buses.

**Conclusions:** 

I. Some buses are rivers.

II. Some taxis are rivers.

III. No bus is river.

- 1) None follows
- 2) Only I follows
- 3) Only III follows
- 4) Only II follows
- 5) Only either I or III follows

14. Statements:

All roads are cars.

No car is tree.

Some trees are jungles.

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All jungles are rivers.

**Conclusions:** 

I. Some rivers are roads.

II. Some jungles are roads.

III. Some cars are roads.

IV. No jungle is road.

- 1) None follows
- 2) Only either II or IV follows
- 3) Only either II or IV and III follow
- 4) Only III and IV follow
- 5) Only either II or IV and I and III follow

15. Statements:

Some birds are goats.

Some goats are horses.

Some horses are lions.

Some lions are tigers.

Conclusions:

I. Some tigers are goats.

II. No tiger is goat.

III. Some lions are birds.

IV. No lion is bird.

- 1) Only either I or II follow
- 2) Only either III or IV follow
- 3) Only either I or II, and III or IV follow
- 4) Only I and III follow
- 5) None of these

**POSSIBILITY** 

16. Statements:

Some papers are boards.

No boards are cards.

**Conclusions:** 

I. All cards being papers is a possibility.

II. All boards being papers is a possibility.

17. Statements: All circles are squares. Some squares are rectangles.

Conclusions:

I. All rectangles being squares is a possibility.

II. Can all circles be rectangles?

18. Statements:

All energies are forces.

No force is torque.

All torques are powers.

**Conclusions:** 

I. All energies being power is a possibility.

II. All powers being force is a possibility.

19. Statements:

Some oceans are seas.

All oceans are rivers.

No river is a canal.

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#### **Conclusions:**

I. All rivers can never be oceans.

II. All canals being oceans is a possibility.

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#### **ONLY A FEW**

20) Statements:

Only a few well are Mats

All Pillows are Mats

**Conclusions:** 

I. All well Can Never be Pillow

II. At least Some Pillows are well

21) Statements:

Only a few Bottles are Lamps

No Bottle is ship

**Conclusions:** 

I. Some Ship are definitely not Lamps

II. All Lamp can never be Ship

22) Statement:

Only a few wines are cashews.

Some bottles are wine

No dot is a cashew.

Conclusion:

I. At least some wines are dots.

II. All cashews being bottle is a possibility.

23) Statement:

Only a few dogs are cats.

No cat is a wolf.

Some wolf are dogs.

Conclusion:

I. All wolf are cats.

II. Some dogs are not wolves.

24) Statement:

Some Pins are syringes

Only a few syringes are needles.

No needle is a pin.

Conclusion:

I. All needles being syringes is a possibility.

II. Some syringes are not pins.

#### **ONLY**

25) Statements:

Only Yellow are red.

Few Yellow are Pink.

All pink are green.

**Conclusions:** 

I. Some Green are Yellow.

II. All Pink can never be red.

26) Statements:

Only A are B.

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Some A are C.

Some C are F.

All F are E.

**Conclusions:** 

I. All A are E is a possibility.

II. Some E are C.

27) Statements:

Only Students are Teachers.

No students are lectures.

All Lectures are Colleges.

**Conclusions:** 

Some Colleges are Students is a possibility.

All Students can be College.

28) Statements:

Only Banana are Apple.

Only a few Banana are Orange.

Some orange are Grapes.

All Grapes are Pineapple.

**Conclusions:** 

I.All bananas can never be Grapes.

II. All Apple can never be Pineapple.

29) Statements

Only crow are Duck.

Some Crow are Sparrow.

No Sparrow is Parrot.

Some Parrot are Eagle.

Conclusions:

I. All Sparrow can never be Duck.

II. Some Eagle are Sparrow is a possibility

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Directions (30 - 31): Each of the following questions consists of six statements followed by options consisting of three statements put together in a specific order. Choose the options that indicates a combination where the third statement can be logically deduced from the first two statements.

30. i. Some hands are feet.

ii. All feet are toes.

iii. No hands are toes.

iv. No nail is toe.

v. All hands are nails.

vi. Some feet are nails.

1) [iii, iv, v]

2) [i, vi, v]

3) [ii, vi, iv]

4) [iv, v, iii]

5) None is correct

31. i. Some balloons are hot.

ii. All cold are cool.

iii. A few balloons are cold.

iv. All cool are hot.

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v. All cold are hot.

vi. Some balloons are hot.

1) [iv, v, ii] 2) [i, iii, v]

3) [ii, v, iv]

4) [iii, v, vi]

5) None is correct

Directions (32-33): In the questions below are given some conclusions followed by five set of statements. You have to choose the correct set of statements that logically satisfies given conclusions. Assume the given statements to be true even if they seem to be at variance from commonly known facts.

32. Conclusion:

Some fans are definitely switches.

All switches are tubes.

Statement 1: No switch is a tube. All switches are fans.

Statement 2: Some switches are tubes. Some tubes are fans.

Statement 3: All switches are fans. All fans are tubes.

Statement 4: All tubes are switches. No tube is a fan.

Statement 5: All tubes are switches. Some fans are definitely tubes.

33. Conclusion:

I. No day is night.

II. Some star are galaxy.

Statements:

1) Some star are night. All star are galaxy. No galaxy is day.

2) All stars are galaxy. All day are galaxy. No galaxy is night.

3) All day are star. Some star are night. Some night are galaxy.

4) All day are star. All star are night. No night is galaxy.

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