

Syllogisms- Exercise

Directions for questions 1- 30 Choose the set of three statements where the third statement can be logically derived from the previous two.

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| 1. 1. All Tricks are Loops.
3. All Puzzles are Tricks.
5. All Puzzles are Loops. | 2. No Puzzles are Loops.
4. No Puzzles are Tricks.
6. All Loops are Tricks. |
| A. 341 B. 642 C. 352 | D. 156 E. 631 |
| 2. 1. All Spaces are Bust.
3. Some Curves are not Squares.
5. All Spaces are Squares. | 2. No Curves are Spaces.
4. Some Squares are Bust.
6. All Squares are Curves. |
| A. 514 B. 124 C. 316 | D. 523 E. 513 |
| 3. 1. All S are R.
3. All Y are R.
5. All Y are S. | 2. All G are S.
4. Some M are Y.
6. No S are M. |
| A. 654 B. 153 C. 361 | D. 145 E. 564 |
| 4. 1. All P have W.
3. All T have W.
5. No T are P. | 2. Some N are T.
4. Some P are T.
6. Some N are not P. |
| A. 134 B. 413 C. 256 | D. 512 E. 526 |
| 5. 1. All black things are coats.
3. All Coats are Red.
5. All Cards are black. | 2. All Cards are Coats.
4. No Cards are Red.
6. Some Red are not Coats. |
| A. 512 B. 346 C. 652 | D. 321 E. 521 |
| 6. 1. Some T are S.
3. No T are B.
5. All B are S. | 2. Some S are B.
4. All T are S.
6. No S are B. |
| A. 165 B. 463 C. 245 | D. 541 E. 425 |
| 7. 1. All cows are green.
3. Some Green eat Grass.
5. Some Cows eat Grass. | 2. Some Green are Red.
4. All Green are Yellow.
6. Some Yellow are Brown. |
| A. 123 B. 153 C. 364 | D. 423 E. 621 |
| 8. 1. Some footballers are cricketers.
3. Some guitarists are musicians.
5. All cricketers are musicians. | 2. All musicians are footballers.
4. All cricketers are footballers.
6. Some guitarists are footballers. |

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| | A. 643 | B. 264 | C. 542 | D. 321 | E. 236 |
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9. 1. No man is a tree.
3. Some men are smokers.
5. All trees are fools.
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|--|--------|--------|--------|--------|--------|
| | A. 345 | B. 154 | C. 354 | D. 524 | E. 126 |
|--|--------|--------|--------|--------|--------|
10. 1. All great men are thinkers.
3. Napoleon is a thinker.
5. No women are great men.
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|--|--------|--------|--------|--------|--------|
| | A. 143 | B. 431 | C. 251 | D. 625 | E. 215 |
|--|--------|--------|--------|--------|--------|
11. 1. No Teacher is Nice.
3. Some Nice are Bad.
5. Some Teachers are not Bad.
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| | A.125 | B.235 | C.146 | D.245 | E. 123 |
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12. 1. Some Rich are Fat.
3. Sajjan is a Rich.
5. Sajjan is Knowledgeable.
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|--|-------|-------|-------|-------|-------|
| | A.126 | B.245 | C.236 | D.256 | E.325 |
|--|-------|-------|-------|-------|-------|
13. 1. All Women are Beautiful.
3. Attitude is Beautiful.
5. All Girls have Attitude.
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|--|--------|--------|-------|-------|-------|
| | A. 245 | B. 256 | C.236 | D.156 | E.632 |
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14. 1. Some Places in Delhi are Green.
2. All Green Places should be Preserved.
3. Cannaught Place should be Preserved.
4. Cannaught Place is Green.
5. Some Places in Delhi should be Preserved.
6. Some Places in Delhi should not be Preserved.
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| | A. 245 | B. 215 | C. 143 | D. 342 | E. 126 |
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15. 1. No Singer is a Dancer.
3. Lokesh is a Singer.
5. Neraj is a Dancer.
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| | A. 132 | B. 123 | C. 146 | D. 156 | E. 135 |
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16. 1. Some neonates are soulless
3. No neonates are terrified
5. All terrified are ghouls
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| | A. 145 | B. 354 | C. 254 | D. 154 | E. 326 |
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2. All fools are smokers.
4. All trees are smokers.
6. All smokers have cancer.
2. No woman is a thinker.
4. Napoleon is great.
6. All women are great.
2. Some Nice are Teachers.
4. No Nice are Bad.
6. All Teachers are Bad.
2. Fat people are Knowledgeable.
4. Sajjan is Fat.
6. All Rich are Knowledgeable
2. All Women have Attitude.
4. All Girls have Women.
6. Some Girls are Women
2. Lokesh is not a Dancer.
4. Neraj is not a Singer.
6. Neraj is not a Dancer.
2. All ghouls are soulless
4. All terrified are soulless
6. All soulless are cuddly

17. 1. Some prime ministerial candidates are open school graduates.
 2. All repeat offenders are prime ministerial candidates.
 3. Some well known offenders are repeat offenders.
 4. All open school graduates are prime ministerial candidates.
 5. All open school graduates are repeat offenders.
 6. Some well known offenders are prime ministerial candidates.
- A. 624 B. 463 C. 231 D. 236 E. 452
18. 1. Some P are X 2. Some X are B
 3. No P are B 4. All P are X
 5. All B are X 6. No X are B
- A. 643 B. 425 C. 245 D. 165 E. 541
19. 1. All Friends are Insincere. 2. No Books are Insincere.
 3. All Books are Friends. 4. No Books are Friends.
 5. All Books are Insincere. 6. All Insincere are Friends.
- A. 361 B. 341 C. 462 D. 352 E. 156
20. 1. Some studs are oxymorons 2. All girls are oxymorons
 3. No studs are tangerines 4. All tangerines are oxymorons
 5. All tangerines are girls 6. All oxymorons are paradoxes
- A. 354 B. 154 C. 145 D. 326 E. 524
21. 1. Some parakeets are parsimonious 2. Resolute are tenacious
 3. All parakeets are resolute 4. Parakeets must be tenacious
 5. No parakeet is resolute 6. Some parakeets are resolute
- A. 135 B. 631 C. 324 D.126
22. 1. Some people are not legitimate 2. Swan and Bravo drink
 3. Bravo is a man 4. Swan must be a foolscap
 5. Drunk persons are not sane 6. All who drink are men
- A. 214 B.623 C.165 D. 456
23. 1. Sophomores play foosball 2. Foosball makes mentally alert
 3. Croquet is an evil game 4. B, who is a sophomore, must be
 mentally alert. 6. All who drink are men
 5. A and B are friends
- A.452 B.124 C.456 D.234
24. 1. Pillows are corpuscles 2. No corpuscles are pillows.
 3. Some medicines are corpuscles 4. Some pillows are medicines
 5. All pillows are medicines 6. Some medicines are not corpuscles
- A.146 B. 256 C.134 D. 342

25. 1. Raucous are Delirious
3. No Suave is Raucous
5. No Delirious is Suave
2. All Delirious are Raucous
4. All Suave are Raucous
6. Raucous and Delirious are fiends
A.246 B. 153 C. 324 D.136
26. 1. Swan is taller than Bravo
3. Charlie is shorter than Bravo,
but taller than Delta
5. Charlie is the second shortest
2. Swan and Bravo play golf
4. Golf and cricket are outdoor games
6. All outdoor games require energy
A.123 B. 135 C. 146 D. 624
27. 1. Some buzzards like to fly
3. All buzzards in the sky are free
5. Buzzards have a pair of wings
2. Buzzards are in the sky
4. All in the sky like to fly
6. Buzzards fly with each other
A.245 B.241 C. 642 D. 234
28. 1. Bugs burrow in spring
3. Some flowers stink
5. Bugs do not burrow in spring
2. Swan is a pygmalion
4..Pygmalions like to romp
6. Swan likes to romp
A. 325 B. 135 C.642 D.246
29. 1. Ramanujan is a Pygmalion
3. Pygmalion and Cohort are rascallions
5. Ramanujan may be Pygmalion
2. Ramanujan is a Cohort
4. Some Cohorts are Pygmalions
6. All Cohorts may not be Pygmalions
A. 561 B. 245 C. 634 D. 612
30. 1. All workers speak tantra 2. Workers constitute demonology
3. A is not a worker 4. A speaks tantra
5. Tantra constitutes demonology 6. A belongs to the demonology
A.143 B. 652 C. 451 D. 152

Evaluate the following syllogisms (Q no. 31-55) and assess whether the argument is valid or invalid.

31. No physical actions are chance occurrences. All chance occurrences are random events.
No random events are physical actions.
32. All things describable by science are predictable events. No free decisions are things
describable by science. No free decisions are predictable events.
33. No things describable by science are uncaused happenings. All mental decisions are
things describable by science. No mental decisions are uncaused happenings.
34. All persons who are most free are person who decide most. All persons who decide least
are persons who are most free. All persons who decide least are persons who decide
most.

35. Some snakes are dangerous creatures, for some snakes are poisonous animals and some poisonous animals are dangerous creatures.
36. Some foreign cars are vehicles sold in America because all Triumphs are foreign cars and some Triumphs are vehicles sold in America.
37. No loving persons are thoughtless persons. No loving persons are aggressive people. No aggressive people are thoughtless persons.
38. If anything is metallic, then it is breakable. There are breakable ornaments. Therefore they are metallic ornaments.
39. Some songs are Ghazals. Many Ghazals are Romantic. Some Songs may be Romantic.
40. Every soldier has courage. There are brave soldiers. No brave can have courage.
41. No Love is Rational. No Hatred is Rational. Love and Hatred are similar.
42. Every boy has a girlfriend. All boys are Loyal. Some Girlfriends are Loyal.
43. All cute girls have piggy nose. Mallika has a piggy nose. Mallika is cute.
44. Fruits are nutritious. Vegetables are nutritious. Fruits are like vegetables.
45. Mothers are Loving. No Loving ever abandons. He who abandons is not a Mother.
46. Governments swindle the public. The public are meritocratic. Governments are meritocratic.
47. Jamaicans are fun loving. Some fun loving are aristocratic. Some aristocratic are Jamaicans.
48. Only Jamaicans are fun loving. Some fun loving are aristocratic. Some aristocratic are Jamaicans.
49. No dunce is dunlop. All dunlops are super weirdoes. Some super weirdoes may be dunces.
50. No dunce is Dunlop. All dunlops are super weirdoes. All super weirdos may be dunces.
51. Only rivers are blood. Rivers are water. Only water is blood.
52. Only messengers get shot. All that get shot are experts at hieroglyphics. Experts at hieroglyphics are messengers.
53. Only messengers get shot. No messenger is an expert at defenestration. Some experts at defenestration may get shot.
54. Trials and tribulations are everyday affairs. Only everyday affairs are vacuous. Some trials and tribulations are vacuous.
55. Plastic goods are detrimental to the environment. Some plastic goods are not carcinogenic. Some carcinogenic are not detrimental to the environment.

Solve the syllogisms given in the following questions (Q no. 56-75) and then choose the correct option from the given choices.

56. Find the valid argument(s) in the arguments given below.

1. Some cricketers snore. Some snorers sleep. Some cricketers sleep.
2. All greats grate. Some greats cheat. Some graters cheat.
3. No fillers fall. Some who fall are peelers. No peeler is a filler.
4. All claws are clauses. No clause is a paw. No paws are claws.

- A. Only 1
- B. 2 and 4
- C. Only 4
- D. 1 and 3
- E. Only 2

57. Find the valid argument(s) in the arguments given below.

1. Some cars are automatic. Some automatic are phones. Some cars are phones.
2. All preachers lie. Some liars are honest. Some preachers are honest.
3. All wolves are cunning. No cunning is a sly. No wolf is a sly.
4. Some bacon is fatty. All fatty are cancerous. Some bacon is cancerous.

- A. 1 and 3
- B. Only 4
- C. 3 and 4
- D. 2 and 4
- E. Only 2

58. Find the valid argument(s) in the arguments given below.

1. All famous women are jaunty. Phoolan is famous. Phoolan is jaunty.
2. No big bird lays eggs. Ostriches are big. No ostrich lays eggs.
3. Hunting is a banned sport. Skiing is a banned sport. Hunting and skiing are similar.
4. Airtel is bigger than MTNL. MTNL is bigger than Hutch. Airtel is the biggest out of the three.

- A. 1, 2 and 4
- B. Only 1
- C. 1 and 2, but not 4
- D. 2 and 4
- E. Only 4

59. Find the valid argument(s) in the arguments given below

1. Only frogs fly. Only those who fly, fall. Frogs fall.
2. All blues are black. Some black are white. Some blues are white.
3. Only blues are black. Some black are white. Some blues are white.
4. All gamers are intelligent. Some intelligent men are tall. Some gamers are tall.

- A. Only 3
- B. 1 and 3
- C. Only 4
- D. 2 and 4

E. 3 and 4

60. Find the valid argument(s) in the arguments given below.

1. No curtain hides the truth. All men hide the truth. No curtain is a man.
2. Catches win matches. Some catches were dropped. Match was lost.
3. No batsman is great. No bowler is great. Some batsmen are bowlers.
4. Only pillows are comforting. Trees are pillows. Trees are comforting.

- A. 1 and 4
- B. Only 4
- C. 1, 2 and 4
- D. Only 2
- E. Only 1

61. Find the valid argument(s) in the arguments given below.

1. Some pachyderms are hirsute. All hirsute are calibrated. Some pachyderms are calibrated.
2. No buccaneers are two-eyed. No two-eyed are captains. No buccaneers are captains.
3. All recidivists are guilt stricken. All guilt stricken fall repeatedly. All recidivists fall repeatedly.
4. All politicians love to revile their opponents. Henry is not a politician. Henry does not love to revile his opponents.

- A. Only 1
- B. Only 3
- C. 2 and 3
- D. 1 and 3
- E. 1 and 4

62. Find the valid argument(s) in the arguments given below.

1. People who watch TV love Mad Men. Some people who love to read watch TV. Some people who love to read love Mad Men.
2. People who detest mice are meek. Henry is a mouse. The meek detest Henry.
3. People who detest mice are meek. Henry is a mouse. People detest Henry.
4. People who watch TV love Modern Family. Modern Family is a soap opera. People who watch TV love soap operas.

- A. Only 2
- B. Only 3.
- C. Only 1
- D. 1 and 2
- E. 1 and 4

63. Find the valid argument(s) in the arguments given below.

1. Some cars are automatic. Some automatic are overrated. Some cars are overrated.
2. No cavity is a hole. All cavities are painful. No hole is painful.
3. No small insect lives an honorable life. Grasshoppers are not small. Grasshoppers live honorable lives.
4. All dogs are faithful. Some hypochondriacs are dogs. Some hypochondriacs are faithful.

- A. Only 1
- B. 1 and 2
- C. 2, 3 and 4
- D. Only 4
- E. 3 and 4

64. Find the valid argument(s) in the arguments given below.

1. Earthquakes shake buildings. No earthquake is a man made thing. No man made thing shakes buildings.
2. Earthquakes shake buildings. Earthquakes are man made things. Some man made things shake buildings.
3. No night is warm. No warm is light. No night is light.
4. Hindi is a language. No language is insolent. English is not insolent.

- A. Only 2
- B. 1 and 2
- C. Only 3
- D. 3 and 4
- E. 1, 3 and 4

65. Find the valid argument(s) in the arguments given below.

1. Only turkeys are eaten on Thanksgiving. Turkeys are feathered things. Some feathered things are eaten on Thanksgiving.
2. Only bollywood movies are tearjerkers. "Cry Wolf" is a bollywood movie. "Cry Wolf" is a tear jerker.
3. Some mountains are hills. Only hills are pointed. Some mountains are pointed.
4. Shillong lies on a plateau. Jowai lies on a plateau. Shillong and Jowai are towns.

- A. Only 1
- B. Only 2
- C. Only 3
- D. 1 and 3
- E. 1 and 2

66. Find the valid argument(s) in the arguments given below.

1. Some mountains are hills. Only pointed things are hills. Some mountains are pointed things.
2. Swollen rivers are things that cause havoc. Things that cause havoc make it to the news. Swollen rivers make it to the news.
3. Mani is taller than Shankar. Shankar is shorter than Mita. Shankar is the shortest of the three.
4. Only mendacious cow herds cry wolf. Only mendacious cow herds are obstinate goat herds. Some obstinate goat herds cry wolf.

- A. Only 2
- B. Only 3
- C. 2 and 3
- D. 2, 3 and 4
- E. 1, 2 and 3

67. Find the valid argument(s) in the arguments given below.

1. Ersatz things are poor copies. Only poor copies are acceptable. Ersatz things are acceptable.
2. Ersatz things are poor copies. Some ersatz things are drivel. Some poor copies are drivel.
3. Only paupers are kings. Kings are not smitten. Paupers are not smitten.
4. Only paupers are kings. Only kings are smitten. Smitten are paupers.

- A. Only 1
- B. Only 3
- C. 2 and 4
- D. 1, 2 and 4
- E. 3 and 4

68. Find the valid argument(s) in the arguments given below.

1. No borders are porous. All porous are embellishments. No borders are embellishments.
2. Only borders are impervious. All impervious are esoteric. Some esoteric are borders.
3. Betty buys butter. Bread is better. Betty is better.
4. Betty is rambunctious. All rambunctious are boisterous. Betty is boisterous.

- A. Only 2
- B. Only 3
- C. 1 and 2
- D. 2 and 4
- E. 2, 3 and 4

69. Find the valid argument(s) in the arguments given below.

1. Philosophers are vindictive. Some callow are not vindictive. No philosophers are callow.
2. Escapologists are elusive. Henry is elusive. Henry is an escapologist.
3. Philosophers are perennial thinkers. No perennial thinkers are atheists. No philosophers are atheists.
4. No escapologists are intuitive. All intuitive are vindictive. Some escapologists are naturalists.

- A. Only 1.
- B. Only 3.
- C. 1 and 2
- D. 3 and 4
- E. 1 and 3

70. Find the valid argument(s) in the arguments given below.

1. All marketplaces are noisy. No marketplace is a boring place. No boring place is noisy.
2. Only agricultural land is not for sale. A farm is agricultural land. A farm is not for sale.
3. The blind are meritocratic. No physicists are blind. No physicists are meritocratic.
4. Only the blind are meritocratic. No physicists are blind. No physicists are meritocratic.

- A. Only 2.
- B. Only 4.
- C. 2 and 4
- D. 2, 3 and 4

E. 1 and 4.

71. Find the valid argument(s) in the arguments given below.

1. Flip-flops are fashionable things. Some fashionable things are ersatz. Flip-flops may be ersatz.
2. Flip-flops are fashionable things. Some fashionable things are not ersatz. Flip-flops are ersatz.
3. Only flip-flops are fashionable things. Fashionable things are in vogue. Some flip-flops are in vogue.
4. Flip flops are in vogue. Fashionable things are in vogue. Flip-flops are fashionable things.

- A. Only 1
- B. 1 and 2
- C. 1 and 3
- D. Only 4