

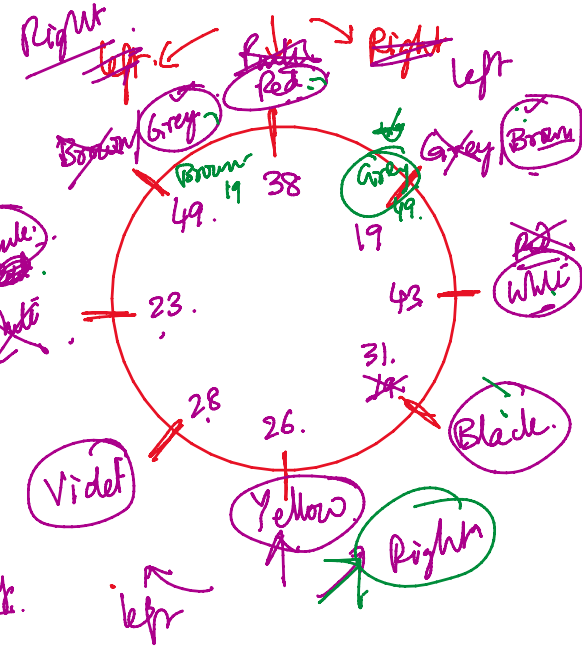
SOURAV SIR'S CLASSES

05 July 2023 21:05

Black - 31, Pink - 23, Brown + White = 62.
 43 + 19 = 62.
 43/19, 19/43.

Eight boxes of different colors viz. Red, Black, White, Yellow, Violet, Brown, Grey and Pink are placed at equidistance on a circular table facing the centre, but not necessarily in the same order. Their weights (in kg) are 19, 23, 26, 28, 31, 38, 43 and 49, again not necessarily in the same order.

Black box is third to the left of the box weighing 38 kg. Grey box is third to the left of Yellow box. The box weighing 38 kg is a neighbor of both Brown box and Grey box. Brown box is second to the left of Grey box. Pink box is second to the right of Red box. Box weighing 49 kg is second to the left of Violet box. Only one box is there between Yellow and White boxes. Black box which is the fourth highest weighted box in the group is immediately heavier than Violet box but immediately lighter than Red box. White box is neither the heaviest nor the lightest. Yellow box is of 26 kg. Pink box's weight is not an even number. The box weighing 26 kg and 19 kg are not immediate neighbors. The sum of White box and Brown box is 62 kg.



16. Which among the following boxes is placed between the box weighing 38 kg and the pink box?

- A. Ashani
- B. Dhanam
- C. Eshan
- D. Chirashi
- E. None of these

17. If the positions of Brown and Grey boxes are interchanged then which among the following is true?

- I. Grey box is third to the right of the box weighing 26 kg.
- II. The immediate neighbours of Brown box are Red and Violet box.
- III. Grey box is fourth to the left of Pink box.

- A. Only I
- B. Only II
- C. Either I or III
- D. Both II and III
- E. All, I, II and III

18. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to the group?

- A. Grey Box
- B. Brown Box
- C. Black Box
- D. Red Box
- E. White Box

19. Sum of the weight of which of the following pairs comes to 74 kg?

- A. Black and Grey
- B. Brown and Violet
- C. Black and white
- D. Red and white
- E. Brown and Grey

20. Which of the following boxes is the third lightest?

- A. The box which is at immediate left of violet box
- B. The box which is third to the right of the heaviest box
- C. The box which is third to the right of Brown box
- D. Pink box
- E. None of these

Certain number of persons sitting in a linear row and all of them are facing in north direction. Only ten persons sit to the left of E. F sits eight to the left of E. The person A sits fourth to the right of B. C sits to the immediate left of D. D sits third from the extreme right end of the row. Number of person sit between E and D is same as B and E. Only six people sit between A and C.

26. How many seats are there in the linear row?

- A. 21 B. 23 C. 17 D. 19 E. None of these

27. What is the position of C with respect to E?

- A. Third to the right B. Seventh to the left C. Ninth to the left D. Fifth to the right E. None of these

28. How many seats are there between A and E?

- A. None B. Only 1 C. Only 2 D. Only 3 E. None of these

29. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?

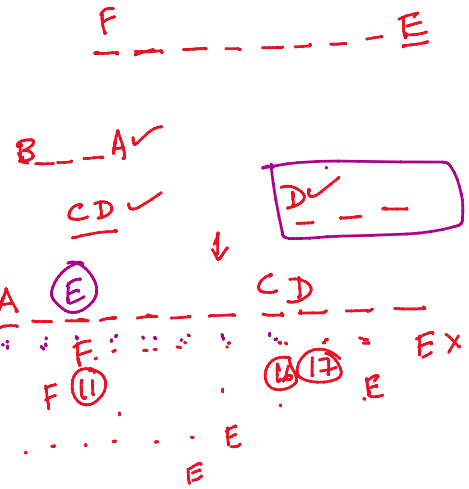
- A. F B. D C. B D. E E. C

30. How many seats are there to the left of B?

- A. Three B. Two C. Four

D. Six

E. Seven



Vicky, Sonu, Nupur, Kumar, Vikas, Nonu, Ela and Kusum are sitting around a circular table but not necessarily in the same order. Not all are facing the centre. Immediate neighbours facing the same direction means if one neighbour faces the centre then the other neighbour also faces the centre and if one neighbour faces outward then the other neighbour also faces outward. Immediate neighbour faces the opposite direction means if one neighbour faces the centre then the other neighbour faces outward and vice versa.

Vicky sits third to the right of Vikas. Vicky is not an immediate neighbour of either Ela or Sonu. Kumar and Vicky face the direction same as that of Vikas.

Only one person sits between Sonu and Nonu. Kusum sits third to the right of Nonu.

Kumar sits on the immediate right of Kusum. Kusum faces outward.

Nupur sits second to the left of Ela. Ela is not an immediate neighbour of Nonu.

Nupur faces a direction opposite that of Nonu. The immediate neighbours of Nupur face opposite direction.

31. Four of the following five are alike in a certain way based on the directions they are forming and so form a group. Which is the one that does not belong to that group?

- A. Sonu, Nupur B. Kusum, Kumar C. Ela, Kusum D. Vikas, Vicky E. Nonu, Vikas

32. Who among the following sit exactly between Kusum and Nonu when counted from the right of Kusum?

- A. Ela and Vicky B. Kumar and Ela C. Nupur and Sonu D. Vicky and Kumar E. None of these

33. What is Nupur's position with respect to Vikas?

- A. Immediate right B. Third to the right C. Second to the right D. Third to the left E. None of these

34. Who amongst the following are immediate neighbours of Ela?

- A. Kumar and Vikas B. Sonu and Kumar C. Vicky and Kusum D. Vikas and Sonu E. None of these

35. Which of the following persons is sitting fourth to right of Sonu?

- A. Vikas B. Kumar C. Sonu D. Nonu E. None of these

Eight persons S, T, U, V, W, X, Y and Z are sitting (not necessarily in the same order) around a circular table facing the centre in the 'Central Library'. All of them like different novelists viz. Arvind Adiga, Chetan Bhagat, Jhumpa Lahiri, Amish Tripathi, Amitav Ghosh, Ruskin Bond, V.S. Naipaul and Arundhati Roy but not necessarily in the same order.

- The one who likes Chetan Bhagat is to the immediate right of W and W does not like Arvind Adiga.
 - T is sitting fourth to the right of Z.
 - X likes Amish Tripathi and is sitting third to the right of the one who likes Chetan Bhagat.
 - The one who likes Ruskin Bond is sitting second to the left of the one who likes Amish Tripathi.
 - The one who likes V.S. Naipaul is sitting second to the left of W.
 - S who likes Jhumpa Lahiri is sitting exactly between X and Z.
 - The one who likes Amitav Ghosh is sitting second to the right of the one who likes Jhumpa Lahiri.
 - U is sitting third to the left of X.
 - W is sitting third to the left of Y.
 - Neither T nor Z is an immediate neighbour of W.
36. What is the position of the one who likes Jhumpa Lahiri with respect to the one likes Ruskin Bond?
- A. Second to the left B. Third to the right C. Sixth from the left
D. Fifth from the right E. Fourth to the left
37. Which of the following novelists is liked by W?
- A. Amitav Ghosh B. Ruskin Bond C. Either A or B D. Arundhati Roy E. None of these
38. How many persons are sitting between U and the one who likes Amitav Ghosh, when counted from the left of latter?
- A. One B. Two C. Three D. Four E. More than four
39. X is related to Arundhati Roy in a way, S is related to Chetan Bhagat in the same way then who is related to Arvind Adiga in the same way?
- A. V B. T C. Z D. Can't be determined E. None of these
40. Which of the following combinations is wrongly matched?
- A. U – Chetan Bhagat B. V – Amitav Ghosh C. T – Arvind Adiga
D. W – Arundhati Roy E. All are correctly matched

Eight persons – A, B, C, D, E, F, G, and H are sitting in a straight line facing north. All have different ages (in years) – 7, 10, 13, 18, 28, 30, 36, and 42 but not necessarily in the same order.

G is sitting second to left of the one who is 18 years old. Two persons are sitting between G and B. Person having age 13 is sitting immediate right of B. D is immediate neighbor of B. G is as much younger than D as he is older than H. None of G, H, and D are sitting immediate to one another. C is sitting third to right of the one who is 7 years old. A is sitting second to right of the one who is 36 years old. At least three persons are sitting between G and A. F is sitting third to right of the one who is 10 years older than him. A is not the oldest.

41. Four of the following five are alike and thus form a group. Which is the one that does not belong to the group?

- A. A B. E C. G D. D E. F

42. What is the position of the one whose age is 28 years with respect to the one who is the oldest among all?

- A. Second to the left B. Third to the left C. Second to the right D. Third to the right E. Immediate left

43. Who among the following sit(s) at the extreme end?

- A. H B. B C. A D. Both B and C E. Both A and C

44. What is the difference between the ages of D and C?

- A. 20 B. 29 C. 8 D. 15 E. 30

45. Who among the following is 30 years old?

- A. C B. G C. A D. F E. None of these

Six vessels were placed in a row. The vessels were named A, B, C, D, E and F. They contained different volumes of Milk from 1 to 6 liters but not necessarily in the same order. The vessels are differentiated with respect to following colors Blue, Green, Red, Black, Purple and Yellow but not necessarily in the same order. Consider all the vessels were facing north direction.

The vessel F was third to the right of Black colored vessel.

The Purple colored vessel had the thrice the volume of Milk as in the Vessel E.

The vessel D was placed exactly between the Red colored vessel and the vessel A.

The Green vessel had 4 liters of Milk and it was at either of the extreme ends.

Total volume of Milk in the vessel F and the volume of Milk to its immediate right were equal to the volume of Milk in the vessel A.

The vessel D and the vessel E were at a gap of two vessels.

The vessel C was second to the left of the vessel having 6 liters of Milk.

The vessel D had 3 liters of Milk.

The Blue vessel had more volume of Milk than vessel E.

46. Which among the following vessels has 6 liters Milk?

- A. Blue colored vessel B. Yellow colored vessel C. Black colored vessel
D. Purple colored vessel E. Can't be determined

47. Which among the following vessels is placed 2nd to the left of Purple colored vessel?

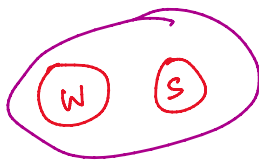
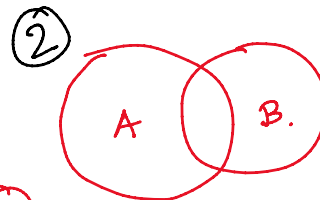
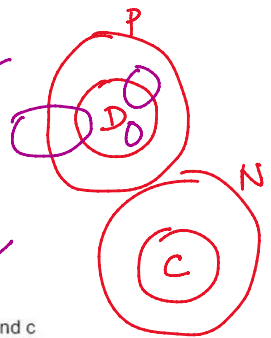
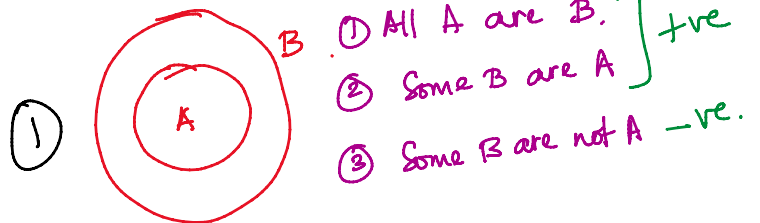
- A. The vessel with 2 liters Milk B. Vessel C C. The vessel with 3 liters Milk
D. Vessel E E. Can't be determined

48. How much liters of milk is there in the Black colored vessel?
 A. 1 liter B. 2 liters C. 5 liters D. 3 liters E. Can't be determined
49. How many vessels are placed between Yellow and Blue colored vessel?
 A. None B. Three C. One D. Two E. Can't be determined
50. What is the sum of the quantity of Milk in Yellow and Black colored vessel?
 A. 7 liters B. 9 liters C. 8 liters D. 11 liters E. None of these

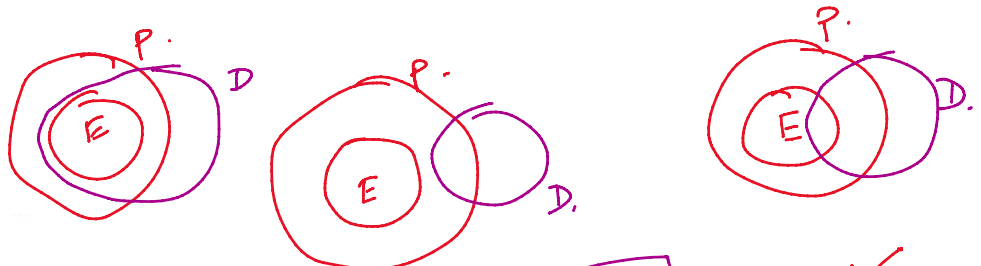
Directions for questions 16 to 19: The questions given below have four groups of three statements each. Read the statements in each group carefully and identify the group/groups where the third statement logically follows the first two statements in the group.

16. (a) Some lawyers are principled.
 No principled is a liar.
 Some lawyers are not liars. ✓
- (b) All dreamers are practical.
 Some dreamers are achievers.
 Some achievers are nationals. ✗
- (c) All citizens are nationals.
 All foreigners have xenophobia.
 Some citizens are foreigners. ✗
- (d) No winner is a stopper.
 All stoppers are losers.
 Some losers are not winners. ✓
- (A) Only a and c (B) Only d and c
 (C) Only d and b (D) Only a and b

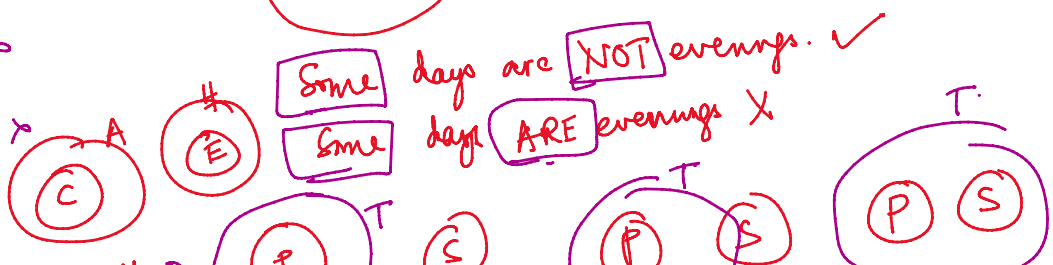
Syllogism



- ve. [① No A is B.
 ② No B is A
 ③ Some A are not B.
 ④ Some B are not A



17. (a) All evenings are pleasant.
 Some days are pleasant.
 Some days are evenings. ✗
- (b) No painters are seller.
 All painters are tax payers.
 Some sellers are tax payers. ✗
- (c) All children are active.
 All elders are hyper.
 All hyper are active. ✗
- (d) Some fashions are vogue.
 No style is vogue. ✗



- All elders are hyper. ρ
 All hyper are active.
 (d) Some fashions are vogue.
 No style is vogue.
Some fashions are styles. ρ

- (A) Only a, b and d
 (B) Only b
 (C) Only d
 (D) None of these ✓



① Pradya deep → sent doubts to Sahali
 ②. Mock test

18. (a) All deserts are cactus.
 All camels are cactus.
 All camels are deserts.
 (b) Dogs are not rats.
 Rats are rodents.
 Dogs are not rodents.
 (c) All rulers are emperors.
 No ruler is chanakya.
 Chanakya is not an emporer.
 (d) All condolences are compassions.
 All concerns are condolences.
 All concerns are compassions.
 (A) Only a and b
 (B) Only b and c
 (C) Only a and c
 (D) Only d

19. (a) All palaces are villas.
 Some mansions are palaces.
 Some villas are mansions.
 (b) Politicians are polite.
 Pluto is not polite.
 Pluto is not a politician.
 (c) Some countries are good governments.
 Only democracies are good governments.
 Some countries are democracies.
 (d) Some opinions are judgements.
 All decisions are judgements.
 Some decisions are opinions.
 (A) Only a
 (B) Only b
 (C) Only a, b and c
 (D) Only b and d

Directions for questions 20 to 22: Each of these questions consists of five statements followed by four sets of three statements each. Select as your answer the set in which the third statement can be logically concluded from the first two statements.

- 20.** (a) All experiments are good results.
(b) Some experiments are mistakes.
(c) All scientists are mistakes.
(d) Some mistakes are good results.
(e) Some scientists are experiments.
- (A) bce (B) adb
(C) bad (D) aec

- 21.** (a) All advertisements are bulletins.
(b) All notifications are bulletins.
(c) All bulletins are notifications.
(d) All advertisements are notifications.
(e) All notifications are reports.
- (A) abd (B) adc
(C) ace (D) dba

- 22.** (a) All hey days are working days.
(b) No Sunday is a working day.
(c) Some public holidays are Sundays.
(d) Some public holidays are hey days
(e) Hey days are not Sundays.
- (A) abe (B) ced
(C) bde (D) aeb