



Reasoning Ability Memory Based Questions

19 Sep 2020: Shift-2 & Shift-3

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Directions (1-4): Study the following information and answer the questions given below:

There are seven girls Ankita, Yashika, Elly, Radha, Sunaina, Payal and Lipika which are arranged from left to right with facing north direction. There are three girls between the Sunaina and Elly. There is only one girl between Elly and Ankita. Radha is immediate left of Sunaina. Yashika is immediate left of Elly. Payal and Lipika are adjacent to each other. Lipika is not adjacent to Radha.

Q1. Who among the following is on extreme end?

- (a) Ankita, Sunaina
- (b) Yashika, Sunaina
- (c) Ankita, Payal
- (d) Aankita, Radha
- (e) Elly, Sunaina

Ans1 (a) Ankita, Sunaina

Q2. Who among the following is immediate right of Payal?

- (a) Radha
- (b) Lipika
- (c) Elly
- (d) Ankita
- (e) Yashika

Ans2 (a) Radha

Q3. Which girls are adjacent to Elly?

- (a) Yashika, Payal
- (b) Yashika, Lipika
- (c) Ankita, Sunaina
- (d) Sunaina, Lipika
- (e) Radha, Yashika

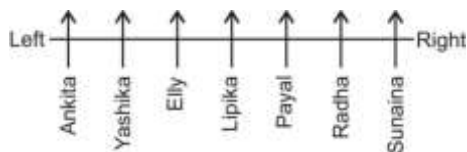
Ans3(b) Yashika, Lipika

Q4. Four of the following five are alike in a certain way to form a group which of the following doesn't belong to that group?

- (a) Sunaina
- (b) Lipika
- (c) Payal
- (d) Ankita
- (e) Elly

Ans4. B.

Explanation(1-4)



Directions (5-8): Read the following information given below consist of three statements followed by four conclusions numbered, I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Q5. Statements:

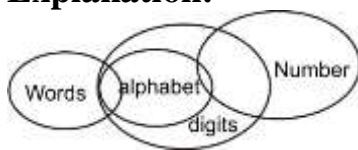
Only a few words are alphabet.
 All alphabets are digit.
 Only a few alphabets are number.

Conclusions:

- I. No number is digit.
 - II. No word is number.
 - III. Some alphabets are digits.
 - IV. All numbers are alphabets is a possibility.
- (a) Only I and III follow (b) Only I and II follow
 (c) Only III and IV Follow (d) Only II and III follow
 (e) None of these

Ans5. C.

Explanation:



Q6. Statements:

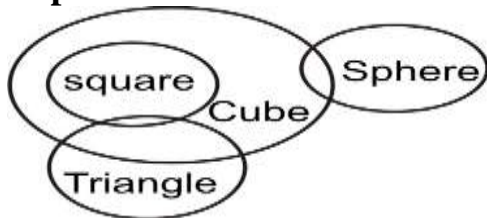
All squares are cube.
 Only a few squares are triangles.
 Only a few cubes are sphere.

Conclusions:

- I. Some cubes are triangles.
 - II. Some spheres are triangles.
 - III. All spheres are squares is a possibility.
 - IV. No cube is triangle.
- (a) Only I follow. (b) Only I and IV follow.
 (c) Only II and IV follow. (d) Only I and III follow.
 (e) None of these.

Ans6. D. Only I and III follow.

Explanation:



Q7. Statements:

No nail is paint.
 Only a few remover are paints.
 Only removers are art.

Conclusions:

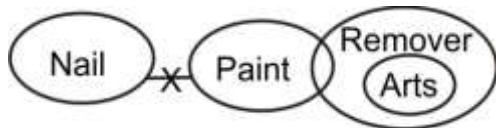
- I. Some arts are paints.

- II. No art is paint.
- III. Some removers are nails.
- IV. No remover is a nail.

- (a) Only I and IV follow
- (b) Only I and II follow
- (c) Only III and IV follow
- (d) Only II and IV follow
- (e) None of these

Ans7. E. None of these

Explanation:



Q8. Statements:

- Only a few keys are locks.
- No doors are locks.
- Few locks are room.

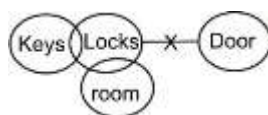
Conclusions:

- I. No key is room.
- II. Some doors are keys.
- III. Some locks are doors.
- IV. Some rooms are doors.

- (a) Only I and III follow
- (b) Either II or IV follows
- (c) No conclusion follows
- (d) Only IV follows
- (e) None of these

Ans8. c. No conclusion follows

Explanation:



Directions (9-13): Study the information carefully and answer the questions given below.

Seven persons J, K, L, M, N, O and P are going for holiday in seven different months of the same year i.e. January, March, April, May, June, July and August but not necessary in same order.

M goes in the month which has even number of days. One person goes between M and P. K goes after M. More than one person go between M and L. O goes just after L. Not more than two person goes between K and P. J does not go in the month which has odd number of day. N does not go in May.

Q9. In which of the following month P goes?

- (a) June
- (b) April
- (c) August
- (d) January
- (e) None of these

Ans9. D.

Q10. Who of the following person goes on April?

- (a) K
- (b) M
- (c) O
- (d) P
- (e) None of these

Ans10. B.

Q11. How many persons go between N and O?

- (a) Three
- (b) Two
- (c) Four
- (d) Five
- (e) None of these

Ans11. C.

Q12. Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?

- (a) P
- (b) K
- (c) O
- (d) M
- (e) N

Ans12. D.

Q13. Which of the following person goes just before M?

- (a) O
- (b) P
- (c) K
- (d) J
- (e) None of these

Ans13. E.

Explanation (9-13):

Month	Person
January	P
March	N
April	M
May	K
June	J
July	L
August	O

Q14. Which of the following symbols should replace the sign (#) and (&) respectively in the given expression in order to make the expression $I \geq T$ and $H > V$ definitely true?

$G > I \geq V \# W = T \leq Y < N \& O \leq H$

- (a) \leq, \leq (b) $\geq, <$
(c) $\leq, =$ (d) $>, \leq$
(e) $=, <$

Ans14.(e)

$G > I \geq V = W = T \leq Y < N < O \leq H$

$I \geq T$ ($I \geq V = W = T$)

$H > V$ ($H \geq O > N > Y \geq T = W = V$)

Q15. Which of the following will be definitely true if the given expression $G > Q \geq P > R \geq F > O = E \leq Y > V \leq N$ is definitely not true?

- (a) $P > E$ (b) $Y \geq O$
(c) $O < G$ (d) $F < V$
(e) $Q > O$

Ans.15.(d)

False = $F < V (F > O = E \leq Y > V)$

Directions (16-17): In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer: (easy)

Q16.Statements: $F > E = K > H, N = E > T \geq J$

Conclusion I: $K > J$ **II:** $N > H$

- (a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Ans16. (e)

I: $K > J$ (True)

II: $N > H$ (True)

Q17. Statements: $L > Q \leq D = C, P \geq D = W, Y = L < T$

Conclusion I: $X > Q$ **II:** $P > Y$

- (a) If only conclusion I follows. (b) If only conclusion II follows.
(c) If either conclusion I or II follows (d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow.

Ans17.(d)

I: $C > Q$ (False)

II: $P > Y$ (false)

Directions (18-22): Study the information carefully and answer the questions given below.

A certain number of persons sit in a row. All of them are facing north. P sits third to the right of Q. Four persons sit between R and P. S sits second to the left of R. Four persons sit between R and E. E sits third from one of the extreme ends. B sits sixth to the right of D who is an immediate neighbor of R. As many persons between E and D as many between Q and L. L does not sit left of Q. K is fifth from one of the extreme ends and one person sit between L and K. Q does not sit left of D. K is not an immediate neighbour of P.

Q18. How many persons sit in row?

- (a) 18
- (b) 19
- (c) 20
- (d) 21
- (e) None of these

Ans18. E.

Q19. How many persons sit between B and S?

- (a) 7
- (b) 9
- (c) 10
- (d) 8
- (e) None of these

Ans19. D.

Q20. Who among the following person sit third to the left of L?

- (a) Q
- (b) P
- (c) B
- (d) D
- (e) No one

Ans20. B.

Q21. Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?

- (a) Q-P
- (b) D-S
- (c) B-K
- (d) K-P
- (e) L-P

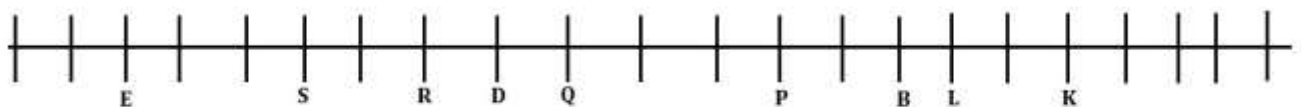
Ans21. D.

Q22. How many persons sit left of D?

- (a) Nine
- (b) Four
- (c) Eight
- (d) Seven
- (e) None of these

Ans22. C.

Explanation (18-22):



Directions (23-27): Study the following information carefully and answer the questions given below

There are three floors in a given building such that floor 2 is above floor 1 and floor 3 is above floor 2. In the building there are two flats in each floor such Flat A is in the west of Flat B. In the building each Flat has an area of 576 ft and each flat has some certain number of rooms and no two flat has same number of rooms. The area of each rooms of one of the flat on the even number floor is 64ft. Total rooms on floor number third are seven. The flat which has rooms of area of 72 ft is on odd number floor. Number of rooms in the flat which is exactly below 9 rooms flat is 288 ft. There is only one floor between the flat who's each room area is 192 ft and the flat whose room area is 72 ft. There is no flat on the west of the flat having 6 rooms.

Q23. What is the area of a room in Flat A on floor 2?

- (a) 94
- (b) 92
- (c) 96
- (d) Either (a) or (c)
- (e) None of these

Ans23.C.

Q24. What is the total number of rooms on floor 2nd?

- (a) 12
- (b) 14
- (c) 13
- (d) 15
- (e) None of these

Ans24.d.

Q25. Which of the following statement is true?

- (a) Total number of rooms on floor 2 is 14
- (b) Area of each room is 94 ft of flat A on floor 1
- (c) Total rooms in Flat A of all three floors is 17.
- (d) All are correct
- (e) None is correct

Ans25. C.

Q26. What is the area of a room of flat B on floor 3rd?

- (a) 144 ft
- (b) 140.5
- (c) 138.5
- (d) 142
- (e) None of these

Ans26. A.

Q27. How many rooms are there of the west of the flat whose each room area is 288 ft?

- (a) 6
- (b) 4
- (c) 3
- (d) 8
- (e) None of these

Ans27. D.

Explanation (23-27):

Floor	Flat A	Flat B
3	3 Rooms	4 Rooms

2	6 Rooms	9 Rooms
1	8 Rooms	2 Rooms

Q28. If in the number 82164739, 1 is added to each of the digit which is less than five and 1 is subtracted from each of the digit which is greater than five then how many digits are repeating in the number thus formed?

- (a) One (b) Two
(c) None (d) Three
(e) Four

Ans28. A.

82164739

73255648

Q29. Sumit is 18th from the left end of a row and Adarsh is 10th from the right end of row. If they interchanged their positions then adarsh ranks become 22 from right end. Find total number of persons in the row?

- (a) 40 (b) 39
(c) 38 (d) 41
(e) None of these

Ans29. B.

Total number of persons in the row = $(18+22-1) = 39$

Q30. How many such pairs of letters are there in the word 'SPOKEN' each of which has as many letters between them in the word as in the English alphabet?

- (a) None (b) One
(c) Two (d) Three
(e) More than three

Ans5. C.

SPOKEN

Number of pairs = NS, OP

Directions (31-34): Study the following arrangement carefully and answer the questions given below.

8 X V S 3 A 7 % R F 4 U # B @ 9 D I © Q M D 1 5 E \$ 6 N P 2 G

Q31. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number?

- (a) None (b) One
(c) Two (d) Three
(e) More than three

Ans31. (e)

Explanation:

8 X V S 3 A 7 % R F 4 U # B @ 9 D I © Q M D 1 5 E \$ 6 N P 2 G

Q32 .How many such numbers are there in the above arrangement, each of which is immediately preceded by a letter but not immediately followed by a symbol?

- (a)None (b) One
(c) Two (d) Three
(e) More than three

Ans32(e)

Explanation:

8 X V S 3 A 7 % R F 4 U # B @ 9 D I © Q M D 1 5 E \$ 6 N P 2 G

Q33. How many such vowels are there in the above arrangement, each of which is immediately followed by a symbol?

- (a) None (b) One
(c) Two (d) Three
(e) More than three

Ans33 .(d)

Explanation:

8 X V S 3 A 7 % R F 4 U # B @ 9 D I © Q M D 1 5 E \$ 6 N P 2 G

Q34.Which of the following is the fourth to the left of the twelfth from the left end?

- (a) % (b) 8
(c) 2 (d) D
(e) None of these

Ans34(a)

Explanation:

8 X V S 3 A 7 % R F 4 U # B @ 9 D I © Q M D 1 5 E \$ 6 N P 2 G

Directions (35-39): Study the following information carefully to answer the given questions.

There are eight employees i.e. P, Q, R, S, T, U, V and W who have decided to do the lunch in Restaurant. They have seated around a circular table and facing towards the centre but not necessarily in the same order. T sits 2nd right of P.R is not an immediate neighbour of P and T. S is not an immediate neighbour of W. There are two employees between R and Q who sits 2nd left of W. W sits opposite to V who is an immediate neighbour of both P and T.

Q35. Who among the following sits immediate left of V?

- (a)P (b)S
(c)T (d)U
(e)None of these

Ans35. A.

Q36. How many employees sit between S and T, clockwise counting from S?

- (a)Two (b)Five

- (c)One (d)Four
 (e)No one

Ans36. D.

Q37. Who among the following sits immediate left of S?

- (a)V (b)U
 (c)Q (d)R
 (e)T

Ans37. D.

Q38. Who among the following sits 2nd to the right of R?

- (a)U (b)P
 (c)V (d)W
 (e)None of these

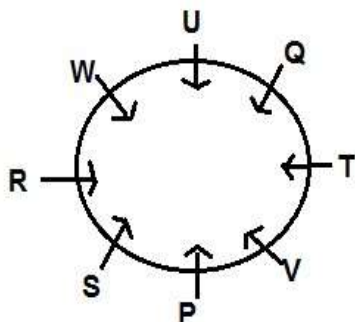
Ans38. B.

Q39. If Q is related to S and T is related to R, then U is related to which employee?

- (a)V (b)Q
 (c)P (d)W
 (e)None of these

Ans39. C.

Explanation (35-39):



Q40. In a queue of persons facing north, P is 21st from the left end and Q is 24th from the right end. They interchange their positions, Q becomes 18th from left end. How many persons were there in the queue?

- (a)36 (b)42
 (c)47 (d)56
 (e)None of these

Ans40. B. 42

Explanation:

Position of P from left end = 21st

Position of Q from right end = 24th

After interchanging the position,

Position of Q from left end = 18th

Total persons in the queue = $24 + 18 - 1 = 41$



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