

IBPS RRB Clerk PRE MEMORY

BASED Reasoning

Directions : Study the following information carefully to answer these questions. Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the centre. A sits third to the left of B, while second to the right of F. D does not sit next to A or B. C and G always sit next to each other. H never sits next to D and C does not sit next to B.

Q1. Which of the following pairs sits between H and E?

- (a) F, D
- (b) H, B
- (c) C, G
- (d) E, G
- (e) None of these Q

Q2. Starting from A's position, if all the eight were arranged in alphabetical order in clockwise direction the seating position of how many members (excluding A) not change?

- (a) None
- (b) one
- (c) Two
- (d) Three
- (e) None of these Q

Q3. Which of the following pairs has only one person sitting between them, if the counting is done in clockwise direction?

- (a) A, B
- (b) C, D
- (c) F, E
- (d) G, H
- (e) None of these Q

Q4. Who sits to the immediate right of E?

- (a) A
- (b) D
- (c) F
- (d) H
- (e) None of these Q

Q5. What is the position of B with respect to C?

- (a) Second to the left
- (b) Third to the right
- (c) Third to the left
- (d) Can't be determined
- (e) None of these

Directions: In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer.

Q6. Statements $H = W \leq R > F$ **Conclusions** I. $R = H$
 II. $R > H$ Q

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or conclusion II is true
- (d) If neither conclusion I nor conclusion II is true
- (e) If both conclusions I and II are true

Q7. Statements $M < T > K = D$ **Conclusions** I. $D < T$
 II. $K < M$ Q

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or conclusion II is true
- (d) If neither conclusion I nor conclusion II is true
- (e) If both conclusions I and II are true

Q8. Statements $R \leq N \geq F > B$ **Conclusions** I. $F = R$
 II. $B < N$ Q

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or conclusion II is true
- (d) If neither conclusion I nor conclusion II is true
- (e) If both conclusions I and II are true

Q9. Statements $H > W < M \geq K$ **Conclusions** I. $K < W$
 II. $H > M$ Q

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or conclusion II is true
- (d) If neither conclusion I nor conclusion II is true
- (e) If both conclusions I and II are true

Q10. Statements $R \geq T = M > D$ **Conclusions** I. $D < T$
 II. $R \geq M$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If either conclusion I or conclusion II is true
- (d) If neither conclusion I nor conclusion II is true
- (e) If both conclusions I and II are true

Directions - : In each of the following below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and mark the number of that combination as the answer. If none of the four combinations correctly represents the group of letters, mark (5), i.e. 'None of these', as the answer

Letter T G E L P I C B R A Q M U H J

Digit/ Symbol + # % 9 7 3 = \$ 1 8 2 6 4 @ 5

Conditions:

(i) If both the first and the last letter of the group are vowels, their codes are to be interchanged.

(ii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as the code for the consonant.

Q11. ERHBMT

- (a) %1@\$6+
- (b) %1\$@6+
- (c) +1\$@6+
- (d) @%1\$6+
- (e) None of these Q

Q12. PQGALE

- (a) 72#89%
- (b) 72#897
- (c) 72%#97
- (d) 27#892
- (e) None of these Q

Q13. EMTAHA

- (a) 8+68@8
- (b) 36+#83
- (c) 86+8@3
- (d) 86+8@%
- (e) None of these Q

Q14. BQRLHA

- (a) 8219@\$
- (b) \$219@8
- (c) \$219@\$
- (d) 82198@
- (e) None of these Q

Q15. RGMALB

- (a) 1#6891
- (b) \$#6891
- (c) 16#89\$
- (d) \$#689\$
- (e) None of these

Q16. Statements:

No tea is coffee. No sweet is tea.

Conclusions:

- I.** No coffee is sweet.
- II.** All sweets are coffee. Q
- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

Q17. Statements:

All medals are awards All rewards are medals

Conclusions:

I. All rewards are awards.

II. All awards are medals. Q

- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

Q18. Statements:

Some leaves are plants. All bushes are plants.

Conclusions:

- I.** At least some leaves are bushes.
- II.** Some leaves are definitely not bushes. Q
- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

Q19. Statements:

All bottles are mugs. No cup is a mug.

Conclusions:

- I.** No bottle is a cup.
- II.** At least some mugs are bottles. Q
- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

Q20. Statements:

All windows are doors. All entrances are windows. No gate is a door.

Conclusions:

- I.** At least some windows are gates
- II.** No gate is an entrance
- (a) if only conclusion I is true.
- (b) if only conclusion II is true.
- (c) if either conclusion I or conclusion II is true.
- (d) if neither conclusion I nor conclusion II is true
- (e) if both conclusions I and II are true.

Directions - : Study the following information carefully and answer the questions given below: A, B, C, D, E, F and G are sitting in a straight line facing north, but not necessarily in the same order. There is only one person between F and C. E sits between A and D. There are only two persons between E and G. F sits on the immediate left of A, who sits in the middle of the row.

Q21. How many persons are there between E and F?

- (a) One
- (b) Two
- (c) Three
- (d) Can't be determined
- (e) None of these Q

Q22. Who among the following sit at the extreme ends of the row?

- (a) D, F
- (b) G, C
- (c) B, C
- (d) Can't be determined
- (e) None of these Q

Q23. Who among the following sits on the immediate right of D?

- (a) G
- (b) E
- (c) F
- (d) B
- (e) None of these Q

Q24. Who among the following sits third to the right of A?

- (a) C
- (b) G
- (c) B
- (d) E
- (e) None of these

Q25. Which of the following **statements** is true with regard to B?

- (a) B is second to the right of A.
- (b) B is fourth to the left of G.
- (c) B sits at the extreme right end of the row.
- (d) B sits at the extreme left end of the row.
- (e) None of these

Q26. The positions of how many digits in the number 59164823 will remain unchanged after the digits are rearranged in descending order within the number?

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

Q27. What should come next in the following letter series based on English alphabet? CEA IKG OQM ?

- (a) STW
- (b) WUS
- (c) SWU
- (d) UWS
- (e) None of these Q

Q28. In a row of 40 children facing North, E is eighth to the right of V. If V is 18th from the right end of the row, how far is E from the left end of the row?

- (a) 32nd
- (b) 10th

- (c) 31st
- (d) 29th
- (e) None of these

Direction - : Following questions are based on the five three digit numbers given below

- 853
- 581
- 747
- 474
- 398

Q29. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will form the lowest in the new arrangement of numbers?

- (a) 853
- (b) 581
- (c) 747
- (d) 398
- (e) 474

Q30. If all the numbers are arranged in ascending order from left to right, which of the following will be the sum of all the three digits of the number which is exactly in the middle of the new arrangement?

- (a) 17
- (b) 15
- (c) 14
- (d) 13
- (e) 19

Q31. What will be the resultant of third digit of the lowest number is multiplied with the second digit of the highest number?

- (a) 27
- (b) 40
- (c) 20
- (d) 45
- (e) 19

Q32. If the positions of the second and the third digits of each of the numbers are interchanged, how many even numbers will be formed?

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

Q33. If one is added to the first digit of each of the numbers, how many numbers thus formed will be divisible by three?

- (a) None
- (b) One
- (c) Two

- (d) Three
 (e) Four

Q34. In a certain code language JANUARY is written as ZSBTOBK. How is OCTOBER written in that code language?

- (a) SFCPU DP
 (b) SFCNU DP
 (c) SCFNDUP
 (d) FSCNU DP
 (e) None of these

Direction - : Study the following information carefully to answer the given questions: B is sister of A. A is father of G. H is the only son of F. F is only son-in-law of A. G is the mother of H. Q

Q35. If C is the husband of B, then how is A related to C?

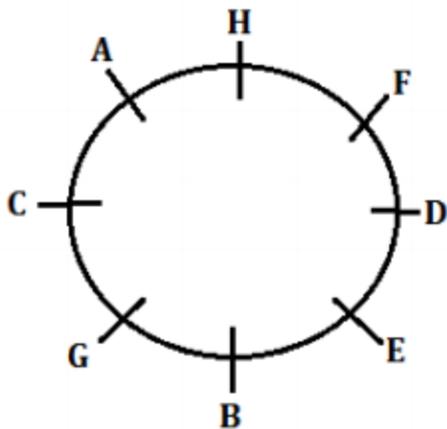
- (a) Father
 (b) Brother-in-law
 (c) Mother
 (d) Brother
 (e) None of these

Q36. How is G related to B?

- (a) Brother
 (b) Niece
 (c) Sister
 (d) Nephew
 (e) None of these

Q37. How is A related to H?

- (a) Uncle
 (b) Father
 (c) Paternal grandfather
 (d) Maternal grandfather
 (e) None of these



- Q1. a
 Q2. d
 Q3. c
 Q4. b
 Q5. e

Q38. Directions: Study the following information carefully to answer the questions. A vehicle starts from point P and run 10 km towards North. It takes a right turn and runs 15 km. Now it runs 6 km after taking a left turn. Finally, it takes a left turn, runs 15 km and stops at point Q.

How far is point Q with respect to point P?

- (a) 16 km
 (b) 25 km
 (c) 4 km
 (d) 10 km
 (e) None of these

Q39. Directions: Study the following information carefully to answer the questions. A vehicle starts from point P and run 10 km towards North. It takes a right turn and runs 15 km. Now it runs 6 km after taking a left turn. Finally, it takes a left turn, runs 15 km and stops at point Q.

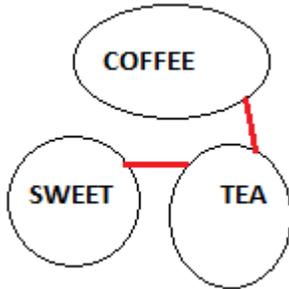
Towards which direction was the vehicle moving before it stopped at point Q?

- (a) North
 (b) East
 (c) South
 (d) West
 (e) North - West

Q40. In a row of 34 students, W is fifth after X from the front and X is 20th from the back. What is the position of W from the front?

- (a) 20
 (b) 25
 (c) 30
 (d) 22
 (e) None of these

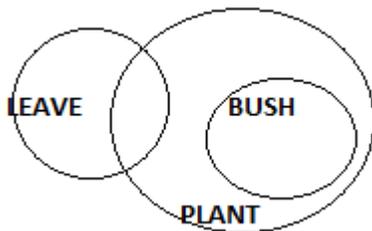
- Q6. c (c) Sol. I. $R \geq W = H$ (False) II. $R \geq W = H$ (False) S
- Q7. a (a) Sol. I. $D = K < T$ (True) II. $K < T > M$ (False) S
- Q8. b (b) Sol. I. $F \leq N \geq R$ (False) II. $B < F \leq N$ (True) S
- Q9. d (d) Sol. I. $K \leq M > W$ (False) II. $H > Q < M$ (False) S
- Q10. e (e) Sol. I. $D < M = T$ (True) II. $R \geq T = M$ (True) Direction (11-15): S
- Q11. a (a) Sol. %1@\$6 S
- Q12. b (b) Sol. 72#897 S
- Q13. d (d) Sol. 868@% S
- Q14. c (c) Sol. \$219@\$ S
- Q15. e (e) Sol. 1#689\$ Directions (16-20): S



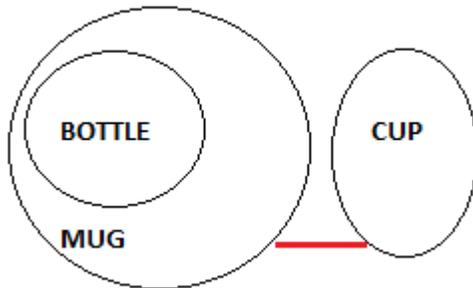
Q16. d



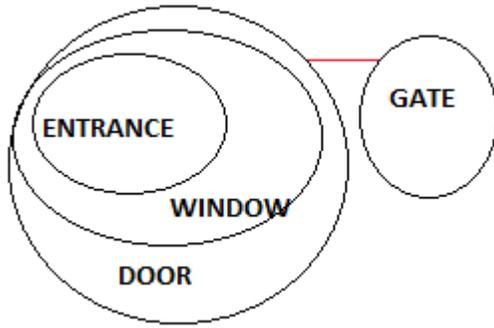
Q17. a



Q18. c



Q19. e



Q20. b

C G F A E D B

Q21. a

Q22. c

Q23. d

Q24. c

Q25. c

Q26. c

Q27. d

Q28. c

Q29. e

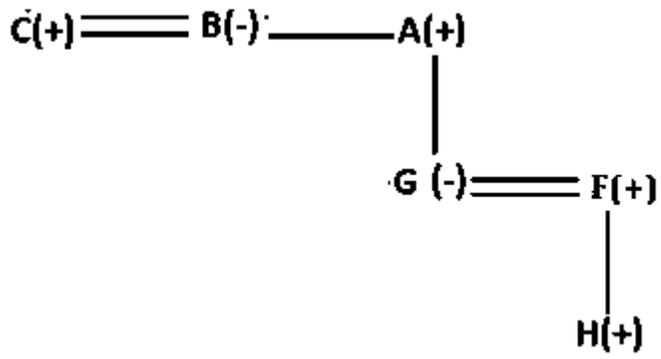
Q30. c

Q31. b

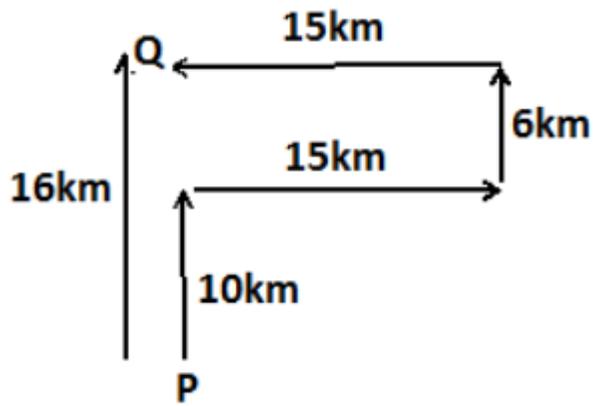
Q32. c

Q33. c

Q34. b



Q35. b
 Q36. b



Q37. d
 Q38. a
 Q39. d
 Q40. a