

IBPS Clerk Mains 2019 | Memory Based Question Paper (Reasoning Ability)

Held on 20th Jan 2019

Directions (1-5): Study the following information carefully and answer the questions given below:

Ten persons P, M, A, Q, K, R, V, L, S and D are standing in a queue facing north. They receive cash price of 2000, 3000, 5000, 7000 and 10000. Three persons stand between V and M. V stands behind M. M stands either at the beginning or the end. K stands adjacent to V. Three persons stand between K and S. As many persons stand before K stand after D. Five person stands between Q and L. L stands behind Q. R stands behind P. R does not stand at extreme end.

T*W means T receives more cash than W

T&W means T receives less cash than W

T%W means T receives same cash as W

Q%L, L*A, A*M, M%K%V, V&A%S, S*P*D%R

Note: Not more than 3 persons receives same amount of cash price.

1. What is the total cash received by K, P and R?

- a) 20000
- b) 10000
- c) 12000
- d) 14000
- e) None of these

2. What is the difference cash price between A and D?

- a) 4000
- b) 8000
- c) 6000
- d) 5000
- e) None of these

3. How many persons stand between P and R?

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

4. What is the position of V in the queue?

- a) Fourth from the end of the queue

b) Sixth from beginning of the queue

c) Third from end of the queue

d) Fifth from beginning of the queue

e) None of these

5. What is the total cash received by the person who stand third from beginning of the queue and sixth from the end of the queue?

- a) 17000
- b) 15000
- c) 13000
- d) 14000
- e) None of these

Directions (6-9): Study the following information carefully and answer the questions given below:

If,

S%Q (21m) means S is 26m north of Q.

S&Q (19m) means S is 24m south of Q.

S*Q (45m) means S is 50m east of Q.

S@Q (11m) means S is 16m west of Q.

L@P (10m) P&K (8m) N@K (1m) N%D (2m) D*Q (9m) F&Q (7m) F@G (4m), then

6. If L&W (1m), then W is in which direction with respect to G?

- a) North East
- b) South East
- c) North West
- d) South West
- e) None of these

7. If H is the midpoint of line QF, What is the distance between L and H?

- a) 9m
- b) 8m
- c) 5m
- d) 10m
- e) None of these

8. How far and in which direction is G with respect to L?

- a) 5m, South East

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- b) 3m, North West
- c) 2 $\overline{13}$ m, North West
- d) 2 $\overline{13}$ m, South East
- e) None of these

9. If $B \times D$ (6m), Line KP intersect with line DB at Point X, then Point X is in which direction with respect to F?

- a) South West
- b) North East
- c) South East
- d) North West
- e) None of these

Directions (10-13): Study the following information carefully and answer the questions given below:

A machine rearrangement given an input line having numbers in a particular set of rules in step by step. The following is an illustration of input and its rearrangement.

Input: 9865 4321 6748 2791 5267 8345

Step I: 5689 1234 4678 1279 2567 3458

Step II: 1234 1279 2567 3458 4678 5689

Step III: 23 27 56 45 67 68

Step IV: 5 9 11 9 13 14

Step IV is the last step of the above input.

As per rules followed in the given steps, find appropriate step for given Input.

Input: 5674 3892 6723 1265 9237 3175

10. What is the sum of second element from the left end in step IV and fifth element from the right end in step III?

- a) 25
- b) 50
- c) 45
- d) 43
- e) None of these

11. What is the difference between third element from the left end in step I and second element from the right end in step II?

- a) 21
- b) 25
- c) 22
- d) 40

e) None of these

12. What is the sum of first, second, fourth and sixth element in last step?

- a) 40
- b) 36
- c) 26
- d) 39
- e) None of these

13. What is the product of second element from the left end in step II and third element from the right end in step IV?

- a) 45690
- b) 23890
- c) 45670
- d) 13570
- e) None of these

Directions (14-17): Study the following information carefully and answer the questions given below:

Twelve persons A, B, C, D, E, F, P, Q, R, S, T and V are sitting around a circular table in two circles. Six persons sit in each circle. A, B, C, D, E and F are sitting in inner circle, while P, Q, R, S, T and V are sitting in outer circle. All of them are facing towards the centre. Three persons sit between A and B. T sits behind B. E sits third to the left of the one who sits in front of S. D sits second to the right of E. A and D are not immediate neighbours. F sits third to the right of the one who sits in front of P. V sits immediate left of R.

14. How many persons sit between the one who sits behind C and B when counted from right of B?

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

15. Which of the following person sits fourth to the right of the one who sits in front of Q?

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

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16. Which of the following is true?

- a) R sits behind E
- b) C sits second to the left of the one who sits in front of R
- c) F sits third to the right of E
- d) S and V are not immediate neighbours
- e) None of these

17. If R is related to B, Q is related to C, in the same way V is related to which of the following?

- a) B
- b) D
- c) F
- d) E
- e) None of these

18. Six persons L, K, T, R, C and Z live in six different floors. Lowermost floor is numbered 1, above floor is numbered 2, and so on. K lives on odd numbered floor. L lives immediately below K. Two persons live between L and R. C lives immediately above T. which of the following person lives on topmost floor?

- a) K
- b) L
- c) C

d) Z

e) None of these

19. Eight letters D, L, E, I, U, A, G and O are arranged to form a meaningful word. More than one meaningful word can be formed. Two letters are placed between O and I. D is placed next to I. Only one letter is placed between A and D. D is placed at one of the ends. Four letters are placed between A and E. U is placed adjacent to G. G is not placed next to E. Which of the following is third letter from the left?

- a) A
- b) G
- c) Cannot be determined
- d) E
- d) I
- e) None of these

20. If 482 is written as CDA, 307 is written as BAC, 916 is written as ABB, then 253 is written as?

- a) BBA
- b) AAB
- c) DAC
- d) AAA
- e) CBD

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Answers with Explanation

Directions (1-5):

1. (b)
2. (d)
3. (c)
4. (d)
5. (b)

Ten persons are standing in a queue facing north. Three persons stand between V and M. V stands behind M. M stands either at the beginning or the end. K stands adjacent to V. Three persons stand between K and S. As many persons stand before K stand after D.

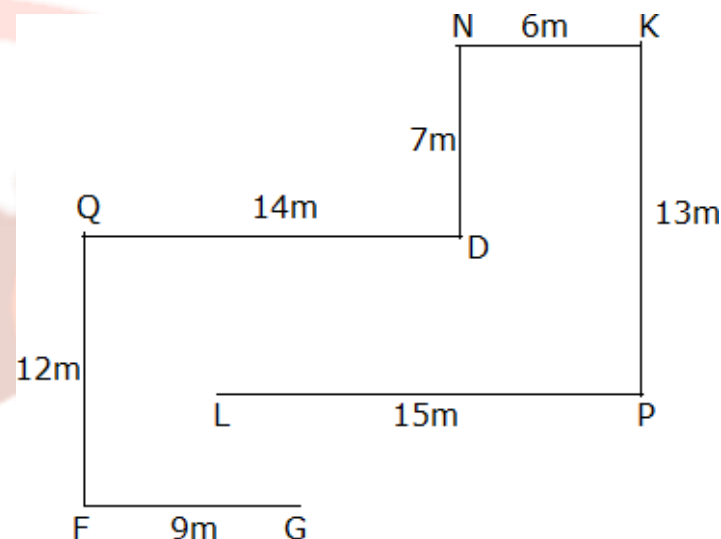
Case 1	Case 2	Case 3
M	M	M
		S
K		
V	V	V
	K	K
D		
S		
	S	

Case 2 and case 3 will be dropped because as many persons stand before K stand after D.
 Five person stands between Q and L. L stands behind Q. R stands behind P. R does not stand at extreme end.

Case 1
M
P
Q
K
V
R
D
S
L
A

$Q=L(10000)>A(7000)>M=K=V(5000)<A=S(7000)<P(3000)<D=R(2000)$

Directions (6-9):



6. (c)
7. (c)
8. (d)
9. (b)

Directions (10-13):

Step I: Digits are arranged in ascending order within the number.

Step II: Numbers are arranged in ascending order

Step III: Middle two digits are taken in each number from step II

Step IV: Sum of the digits in a number

Input: 5674 3892 6723 1265 9237 3175

Step I: 4567 2389 2367 1256 2379 1357

Step II: 1256 1357 2367 2379 2389 4567

Step III: 25 35 36 37 38 56

Step IV: 7 8 9 10 11 11

10. (d)
11. (c)
12. (b)
13. (d)

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Directions (14-17):

14. (b)

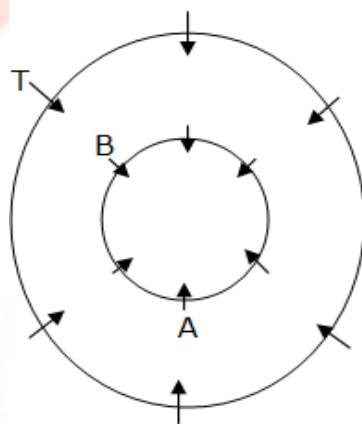
15. (d)

16. (c)

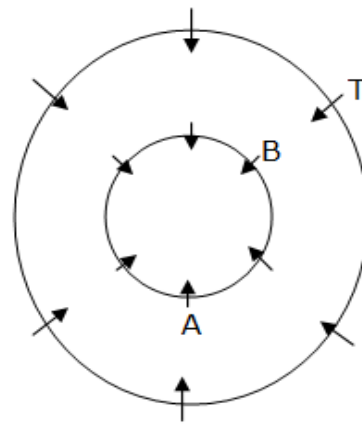
17. (d)

Three persons sit between A and B. T sits behind B.

Case 1



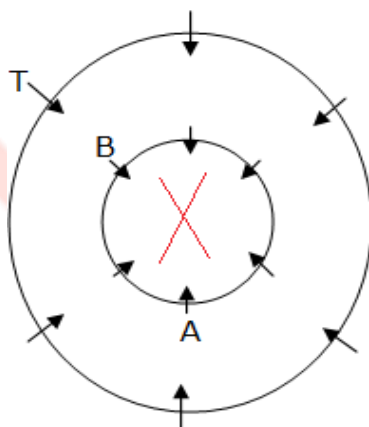
Case 2



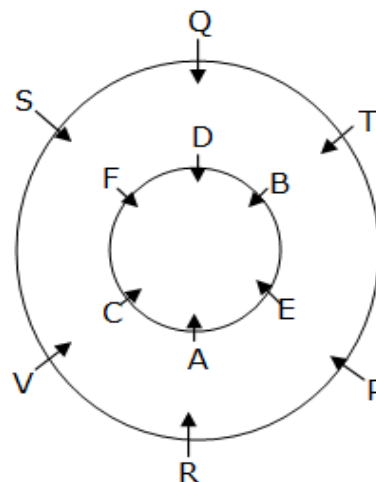
E sits third to the left of the one who sits in front of S.

D sits second to the right of E. A and D are not immediate neighbours. F sits third to the right of the one who sits in front of P. V sits immediate left of R.

Case 1



Case 2



Case 1 will be dropped because E sits third to the left of the one who sits behind S.

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18. (d)

6	Z
5	K
4	L
3	C
2	T
1	R

19. (a)

D I A L O G U E

E U G O L A I D

20. (d)

Place value A-1, B-2, C-3 and D-4

$CDA = 3 + 4 + 1 = 8$ (even) $\rightarrow 8 * 2 - 2 = 14 \rightarrow 4 + 8 + 2$ (Sum of given number)

$BAC = 2 + 1 + 3 = 6$ (even) $\rightarrow 6 * 2 - 2 = 10 \rightarrow 3 + 0 + 7$ (Sum of given number)

$ABB = 1 + 2 + 2 = 5$ (Odd) $\rightarrow 5 * 3 + 1 = 16 \rightarrow 9 + 1 + 6$ (Sum of given number)

$AAA = 1 + 1 + 1 = 3$ (Odd) $\rightarrow 3 * 3 + 1 = 10 \rightarrow 2 + 5 + 3$ (Sum of given number)



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