

# REASONING ABILITY

**Directions.Q.(1-5).Study the following information carefully and answer the following question:**

8 people are sitting around a circular table. Some of them are facing the centre while some are facing away from the centre. M sits second to the left of N. Both M and N face the same direction (if M faces towards the centre, then N faces the same or vice versa). Only 3 people are sitting between M and P. Q sits second to the left of P. S sits third to the right of Q. S is not an immediate neighbour of P. Q and S face opposite direction to each other. 3 people are sitting between S and R. Both S and R face the same direction. T sits second to the right of R. 3 People are sitting between T and L. Both T and L face towards the centre. Q is an immediate neighbour of L.

**1) Which of the following does not belong to the group?**

- 1) T and R
- 2) L and R
- 3) T and S
- 4) L and S
- 5) L and T

**Answer - 5) L and T**

Explanation:

**2) How many people are sitting between L and P when counted from the left of P?**

- 1) 1
- 2) None
- 3) 4
- 4) 2
- 5) 3

**Answer - 4) 2**

**3) What is the position of M with respect to Q?**

- 1) Second to the left
- 2) Third to the left

- 3) Second to the right
- 4) Third to the right
- 5) Immediate right

**Answer - 3) Second to the right**

**4) Who among the following are the immediate neighbours of P?**

- 1) Q, R
- 2) T, N
- 3) L, R
- 4) T, R
- 5) R, S

**Answer - 4) T, R**

**5) Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which is the one that doesn't belong to that group?**

- 1) R
- 2) T
- 3) N
- 4) Q
- 5) M

**Answer - 1) R**

**Directions.Q(6-8): Study the following information carefully and answer the following question**

There are five ropes of different colour kept on the table. The red color rope is shorter than only rope A. Rope E is greater than D but shorter than F. Green color rope is greater than only pink rope. Rope D is not of green color. Rope G is greater than yellow color but shorter than blue colored rope. The second longest rope is 76m and the length of shortest rope is 59 m.

**6) If the length of rope E is 67 m, then what is the probable length of rope yellow?**

- 1) 63 m
- 2) 81 m
- 3) 70 m
- 4) 78 m
- 5) 55 m

**Answer - 3) 70 m**

Explanation:

Rope	Colour	Length
A	Blue	
G	Red	76 m
F	Yellow	
E	Green	
D	Pink	59 m

**7) Which among the following rope is pink in color?**

- 1) E
- 2) F
- 3) A
- 4) G
- 5) D

**Answer - 5) D**

**8) Which of the following is true?**

- I. The length of only one rope is greater than rope G.
- II. The Length of red rope is smaller than blue rope only.
- III. The length of rope F is the third shortest.

- 1) II & III
- 2) Only I
- 3) I, II and III
- 4) I & II
- 5) O

**Answer - 3) I, II and III**

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

9 people A, B, C, D, E, P, Q, R and S are taking lectures on three different months May, June and October on three different dates 7, 10 and 15. A takes lecture on 15th of the month which has 31 days. Only two people have to lecture between A and B. As many as people have to give lecture after B as before Q. As many people have to give lecture between Q and A as between B and E. Neither E nor C has to give lecture in October. Only one person has to give lecture between E and C. R and C has to give lecture in the same month. D has to give lecture immediately before S.

**9) Which of the following person attends the lecture on 15th of May?**

- 1) R
- 2) C
- 3) Q
- 4) P
- 5) None of these

**Answer - 2) C**

Explanation:

Month	Date	Person
May	7	E
	10	R
	15	C
June	7	Q

	10	P
	15	B
July	7	D
	10	S
	15	A

**10) If E is related to C, Q is related to B, in the same way D is related to which of the following?**

- 1) A
- 2) S
- 3) B
- 4) P
- 5) None of these

**Answer - 1) A**

**11) How many persons attend the lecture between R and D?**

- 1) None
- 2) One
- 3) Two
- 4) Three
- 5) More than Three

**Answer - 5) More than Three**

**12) P attends the lecture on which of the following date?**

- 1) 10th May
- 2) 10th June
- 3) 10th October
- 4) 7th May
- 5) None of these

**Answer - 2) 10th June**

**13) Four of the following five are alike in a certain way and hence they form a group. Which one of the following doesn't belong to that group?**

- 1) C - 10th June
- 2) R - 7th October
- 3) B - 15th June
- 4) A - 10th May
- 5) S - 7th May

**Answer - 3) B - 15th June**

# English

**Directions.Q(14-18) In the given questions, parts of the sentences are separated as A, B, C and D. Of these, the positions of two of these parts may be incorrect and need to be exchanged to make the sentence correct. Find the two parts which need to be exchanged. In each case the given sentence is correct, your answer should be 'No exchange required.'**

**14) The double-digit growth/A. of the insurance industry/B. was aided by enhanced/C. digitalisation/D. of the insurance consumer support.**

- 1) A-C
- 2) C-D & B-C
- 3) C-E
- 4) A-B & C-E
- 5) No exchange required

**Answer - 5) No exchange required**

**15) After witnessing/A. many atrocities/B. during/C. the battle, the soldiers came up with several ideas/D. for how the wounded/E. Should get help.**

- 1) B - D
- 2) C - D
- 3) A- B & D - E
- 4) No exchange required
- 5) A - E & B - C

**Answer - 4) No exchange required**

**17) After losing/A. his job, he realised/B. he could not afford/C. the buying/D. that came along with liability/E. a new house.**

- 1) A - D & B - E
- 2) A - D
- 3) B - C
- 4) No exchange required
- 5) D - E

**Answer - 5) D - E**

**18) The maximum/A. permitted/B. of weight amount/C. for passenger to carry as additional/D. for air travel is 25 kg & anything baggage/E. Will attract as additional fee.**

- 1) B - C & D - E
- 2) A - D & B - E
- 3) No exchange required
- 4) A - C
- 5) B - D

**Answer - 1) B - C & D - E**

# Quantitative Aptitude

**Directions.Q(19-23) Find out the missing number in the series given below**

**19) 1000 100 20 6 2.4 ?**

- 1) 1
- 2) 0.5
- 3) 1.2
- 4) 0.25
- 5) 1.5

**Answer - 3) 1.2**

Explanation:

$$1000 * 0.1 = 100$$

$$100 * 0.2 = 20$$

$$20 * 0.3 = 6$$

$$6 * 0.4 = 2.4$$

$$2.4 * 0.5 = 1.2$$

**20) 1 2 5 16 ? 326**

- 1) 55
- 2) 65
- 3) 54
- 4) 75
- 5) 80

**Answer - 2) 65**

Explanation:

$$1 * 1 + 1 = 2$$

$$2 * 2 + 1 = 5$$

$$5 * 3 + 1 = 16$$

$$16 * 4 + 1 = 65$$

$$65 * 5 + 1 = 326$$

**21) 1 2 10 19 83 ?**

- 1) 108
- 2) 106
- 3) 105
- 4) 104
- 5) 100

**Answer - 1) 108**

Explanation:

$$1 + 1^2 = 2$$

$$2 + 2^3 = 10$$

$$10 + 3^2 = 19$$

$$19 + 4^3 = 83$$

$$83 + 5^2 = 108$$

**22) 0.125 0.25 1 8 ?**

- 1) 104
- 2) 106
- 3) 108
- 4) 128
- 5) 124

**Answer - 5) 124**

Explanation:

$$0.125 * 2 = 0.25$$

$$0.25 * 4 = 1$$

$$1 * 8 = 8$$

$$8 * 16 = 124$$

**23) 5 9 18 34 ?**

- 1) 58
- 2) 57
- 3) 59
- 4) 56
- 5) 53

**Answer - 3) 59**

Explanation:

$$5 + 2^2 = 9$$

$$9 + 3^2 = 18$$

$$18 + 4^2 = 34$$

$$34 + 5^2 = 59$$

**Directions.Q(24-28): Study the following information and answer the questions given below.**

Data of employees of 3 airlines A, B, C for year 2012 is given below. Each employee belongs to exactly only one out of given two categories i.e.

Ground Staff (GS) & Crew Member (CM). Out of total employees of A, 40% are CM & remaining 1200 are GS. Number of CM in airline B is half of that are in airline A. There are 560 GS employees in airline B. Total number of employees in C is 100 less than the number of crew members of Airline A

**24) What is the average number of employees in A, B & C together?**

- 1) 1200
- 2) 1160
- 3) 1220
- 4) 1250
- 5) None of these

**Answer - 3) 1220**

Explanation:

Airline	GS	CM	Total
A	1200	800	2000

B	560	400	960
C	–	–	700

For Airline A

Number of CM employees = 40% of total = 800

Hence number of GS employees = 60% of total = 1200

Number of CM employees in Airline B = 400

Number of employees in Airline C = 800 -100 = 700

Average number of employees =  $(2000 + 960 + 700)/3 = 1220$

**25) What is ratio of CM employees to GS employees for airline B?**

- 1) 7:6
- 2) 7:5
- 3) 6:5
- 4) 4:5
- 5) None of these

**Answer - 2) 7:5**

Explanation:

Required ratio =  $560 : 400 = 7:5$

**26) If difference between CM employees & GS employees of airline C is 20, then find the number GS in C?**

- 1) 360
- 2) 320
- 3) 340
- 4) Either 360 or 340
- 5) None of these

**Answer - 4) Either 360 or 340**

**Explanation:**

Number of GS employees in airline C = X

Number of CM employees in same airline = Y

$X + Y = 700$ ,

$X - Y = 20$

Either  $X - Y = 20$  or  $Y - X = 20$

we will get two values 360 or 340

**27) Number of CM employees of airline A is approximately how much percent of GS employees of airline B?**

- 1) 150%
- 2) 143%
- 3) 138%
- 4) 140%
- 5) 135%

**Answer - 2) 143%**

Explanation:

Required % =  $(800/560) * 100 = 143\%$



**28) GS employees of airline B is how much % of total employees of Airline C?**

- 1) 85%
- 2) 90%
- 3) 80%
- 4) 75%
- 5) None of these

**Answer - 3) 80%.**

Explanation:

$$\text{Required \%} = (560/700) * 100 = 80\%$$

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