
MENTAL ABILITY

- Q.1) If 'P' means '×', 'Q' means '÷' T means of and 'V' means +, then what will be the value of
 $85 Q 17 P 3 V \frac{1}{2} T 4 = ?$
- (1) 62 (2) 31
(3) 17 (4) 19
(5) None of these
- Q.2) Early morning after sunrise, Rajesh was standing in front of his house in such a way that his shadow was falling exactly behind him. He starts walking straight and walks 5 metres. He turns to his left and walks 3 metres and again turning to his left walks 2 metres. Now in which direction is he from his starting point?
- (1) South (2) West
(3) South-East (4) North-East
(5) South-West
- Q.3) In a class of 39 students the ratio of boys and girls is 2 : 1. Radhika ranks 15th among all the students from top and 8th among girls from bottom. How many boys are there below Radhika?
- (1) 16 (2) 17
(3) 15 (4) Data inadequate
(5) None of these
- Q.4) In a certain code language AUTHORITY is written as YTUROHTIA. How will DESIGNATE be written in that code language?
- (1) ESENGATDI (2) ESEGNITAD
(3) ESENGITAD (4) ESNEIGTDA
(5) None of these

Directions (5-7) : Read the following letter-number sequence carefully and answer the question given below:
7 3 P N 4 2 6 3 1 M L B T 4 5 G A C D F J K 1 9 8 2

- Q.5) If the first fifteen elements of the above sequence is written in the reverse order which of the following elements will be sixth to the left of twelfth element from your right?
- (1) J (2) 6
(3) 2 (4) 3
(5) None of these
- Q.6) Four of the following five are alike in a certain way and hence form a group. Which is the one that does not belong to that group?
- (1) GDK (2) 7N6
(3) B5C (4) AF9
(5) TGD
- Q.7) If we interchange the first and the seventh elements, the second and the eighth elements and so on upto 2 and B from your left, which of the following will be twelfth to left of eighth element from your right?
- (1) 6 (2) 7
(3) 2 (4) Data inadequate
(5) None of these
- Q.8) If it is possible to make a meaningful word with second, the third, the sixth and the ninth letters of the word PSYCHOMETRIC using each letter only once, what will be the first letter of the word can be formed. If more than one word can be formed mark M as your answer and if no such word can be formed mark X as your answer.

- Q.16) The students of a class are divided into two groups-A and B. If Sangita is included in the group A then her rank is 7th from the top and if she is included in the group B, her rank is 13th from the top. If the students of both groups are brought together, what will be the rank of Sangita?
- (1) 20 (2) 19
(3) 21 (4) Data inadequate
(5) None of these
- Q.17) In a certain code language “Jo re ka” means “sweet nice sugar”, “la fi de” means “tasty sour lemon”, “fi ka tip” means “sugar and lemon” and “la re” means “nice tasty”. How will “sweet and sour” be written in that code language?
- (1) Data inadequate (2) jo re ka
(3) la re ka (4) la re tip
(5) None of these

Directions (18-20) : Read the following information carefully and answer the questions given below:

Five flats – A, B, C, D, E, which are at equi-distance, are arranged in a semi-circle but not necessarily in the same order. The middle flat B faces towards North-East and is immediate right to D while C is to the immediate right of B.

- Q.18) D faces which direction?
- (1) North (2) North-East
(3) East (4) West
(5) North-west
- Q.19) Which of the following two flats are at both the ends?
- (1) A and D (2) C and D
(3) B and E (4) A and E
(5) Data inadequate
- Q.20) What should come in the place of question mark (?) in the following letter series?
ADG CFI ? QJM
- (1) EGJ (2) EHK
(3) DFI (4) DCH
(5) None of these

Directions (21-23) : Read the following information carefully and answer the questions given below:

In order to organize a competition, 26 students were divided into four groups a, b, c and d.

A	B	C	D	E	F	G	H	I	J	K	L	M
c	a	b	d	c	a	c	d	b	a	b	c	d

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
a	d	a	c	b	d	a	b	c	a	d	d	a

- Q.21) If such groups are formed by selecting one student from each group, then how many such groups are possible?
- (1) Seven (2) Six
(3) Four (4) Five
(5) None of these
- Q.22) If one student from each group is selected for inter-school competition, then which of the following groups is possible?
- (1) Seven (2) Six

