

## Mental Ability Test

Q (1 to 5) : In each of the following questions, a group of letters is given, which are numbered differently. Below four alternative are given, containing combination of these numbers. Select that combination of numbers which forms a meaningful word.

1. ACESTH
 

(1) 6, 1, 4, 5, 3, 2	(2) 6, 3, 2, 1, 4, 5
(3) 2, 6, 1, 4, 5, 3	(4) 4, 3, 5, 6, 1, 2
  
2. GTAENM
 

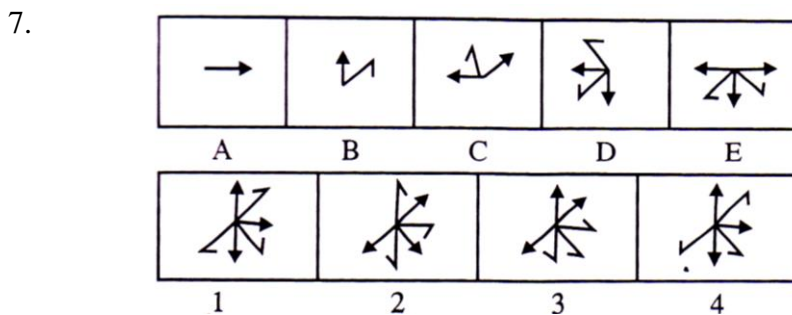
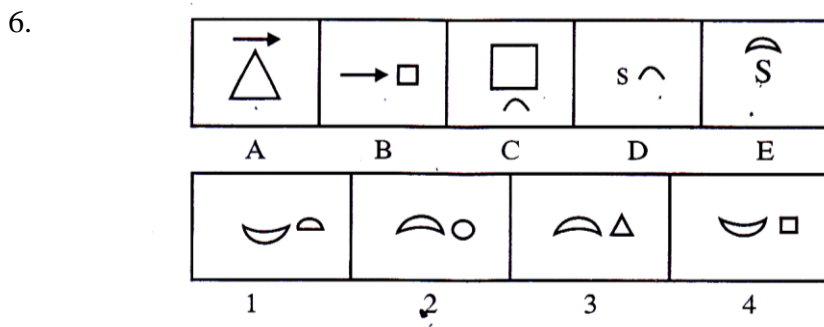
(1) 6, 3, 1, 5, 4, 2	(2) 1,3, 2, 5, 4, 6
(3) 6, 3,5, 1, 4, 2	(4) 1, 3, 2, 6, 4, 5
  
3. TLEMNA
 

(1) 2, 6, 4, 5, 3, 1	(2) 3,2, 4, 6, 5, 1
(3) 4, 3, 5, 1, 6, 2	(4) 5,3, 2, 4, 6, 1
  
4. TCOPTER
 

(1) 1, 3, 4, 5, 6, 7, 2	(2) 2,6, 4, 5, 1, 3, 7
(3) 7, 6, 4, 5, 1, 3, 2	(4) 4, 7, 3, 1, 6, 2, 5
  
5. RTEODP
 

(1) 5, 3, 6, 4, 1, 2	(2) 6, 5, 1, 3, 4, 2
(3) 2, 3, 1, 6, 4, 5	(4) 1, 3, 5, 6,4, 2

Q (6 to 10) : In each of the following questions, find the figure from the answer – set (i.e. 1, 2, 3 and 4 which will continue the series given in the problem set (i.e. A, B, C, D and E).



8.

C	S	
S		S
C		

A

	C	S
		C
S	C	S

B

S	C	
C		
S	C	S

C

C	S	C
S		S
		C

D

		C
S		S
C	S	G

E

C	S	C
S		S
C		C

1

	C	S
		C
S	S	C

2

S	C	
C		
S	C	S

3

S	C	S
C		
S	C	

4

9.

>	↖	↗
↖	↗	↘
↗	↘	↙

A

•	↖	↗
↖	↗	↘
↗	↘	↙

B

•	↖	↗
↖	↗	↘
↗	↘	↙

C

•	↖	↗
↖	↗	↘
↗	↘	↙

D

•	↖	↗
↖	↗	↘
↗	↘	↙

E

•	↖	↗
↖	↗	↘
↗	↘	↙

1

•	↖	↗
↖	↗	↘
↗	↘	↙

2

•	↖	↗
↖	↗	↘
↗	↘	↙

3

•	↖	↗
↖	↗	↘
↗	↘	↙

4

10.

○	☆	C
△	■	

A

■	C	☆
○	△	

B

■	△	○
C	☆	

C

☆	△	○
C	■	

D

△	○	☆
■	C	

E

■	△	C
○	☆	

1

☆	○	△
C	■	

2

○	■	C
△	☆	

3

△	C	○
☆	■	

4

Q (11 to 13) : Study the pattern of numbers in the following questions and select the missing numbers in the place of question mark (?). Mark the correct alternative on your answer-sheet as directed.

11.

8	4	5
6	4	0
?	9	4
90	40	20

- (1) 42  
(3) 16

- (2) 8  
(4) 4

12.

7	4	2
○		
3	4	3

399

9	8	5
○		
2	4	6

343

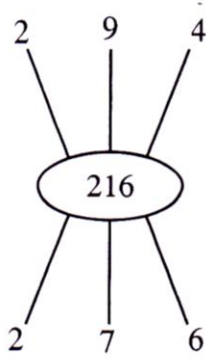
8	7	4
○		
8	9	1

?

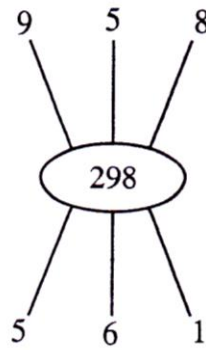
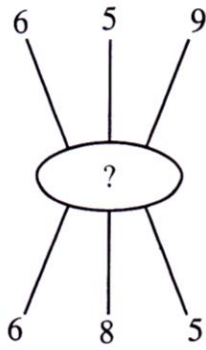
- (1) 667  
(3) 766

- (2) 676  
(4) 340

13.



- (1) 271  
(3) 331



- (2) 712  
(4) 261

Q (14 to 19) :

14. If '-' means '+', 'x' means '-', '÷' means 'x' and '+' means '÷'; then,  
 $7 - 3 \div 5 \times 8 + 2 = ?$

- (1) 18  
(2) 20  
(3) 15  
(4) 12

15. If '-' means '+', '÷' means 'x', 'x' means '-' and '+' means '÷'; then, ; then which of the following is right.

- (1)  $25 - 12 + 14 \div 2 \times 4 = 15$   
(2)  $25 - 11 - 14 \div 10 \times 6 = 20$   
(3)  $25 - 15 + 5 \div 4 \times 16 = 21$   
(4)  $25 \times 12 - 14 \div 4 + 6 = 16$

16. If  $16 - 2 = 2$ ;  $9 - 3 = 0$ ;  $81 - 1 = 8$ ; then  $64 - 4 = ?$

- (1) 2  
(2) 4  
(3) 6  
(4) 8

17. Choose the correct arrangement of mathematical signs at the place of \* for equating the given equation.

- (1)  $x + = x$   
(2)  $+ \div x =$   
(3)  $+ - x =$   
(4)  $+ \div = x$

18. If 'M' means '-', 'Y' means 'x', 'P' means '÷' and 'R' means '+' then  
 $60 P 2 R 10 Y 5 M 20 = ?$

- (1) 60  
(2) 100  
(3) 50  
(4) 40

19. If 'A' means '-', 'B' means 'x', 'C' means '÷' and 'D' means '+' then  
 $80 C 4 B 13 A 5 B 6 D 15 C 5 = ?$

- (1) 263  
(2) 200  
(3) 233  
(4) 333

Q (20 to 25) : In each of the following questions, a series of number is given which follow certain rules. One of the numbers is missing. Choose the missing number from the alternatives given below and mark it on your answer-sheet as directed.

20. 70, 71, 76, ?, 81, 86, 70, 91.

- (1) 70  
(2) 80  
(3) 96  
(4) 71

21. 83, 73, 93, ?, 103, 53.  
(1) 93 (2) 73  
(3) 63 (4) 33
22. 17, 44, 62, 53, ?  
(1) 26 (2) 66  
(3) 29 (4) 63
23. 2, 6, 12, 20, 30, ?  
(1) 44 (2) 42  
(3) 36 (4) 40
24. ?, 19, 37, 61, 91, 127, 169.  
(1) 17 (2) 13  
(3) 11 (4) 7
25. 16, 33, 65, 131, 261, ?  
(1) 523 (2) 521  
(3) 625 (4) 725

Q (26 to 30): In the given below what will come in the place of question mark (?).

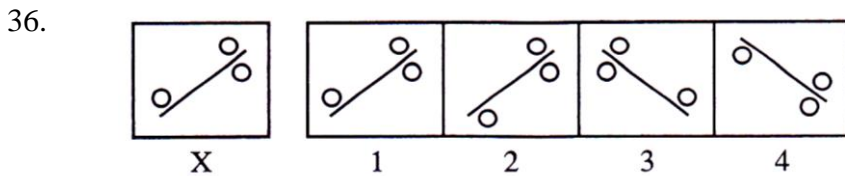
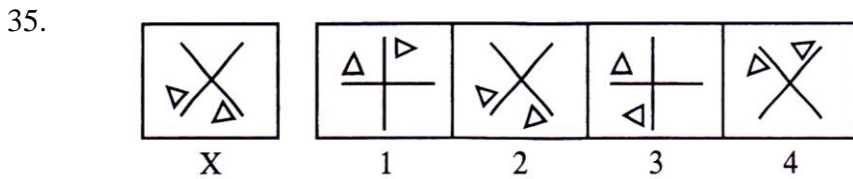
26. MDDM, OFFO, QHHQ, ?, ULLU  
(1) RITR (2) SIIS  
(3) RJJR (4) SJJS
27. BXF, DCI, FTL, ?, JPR.  
(1) HRP (2) HRN  
(3) HRO (4) HSO
28. ATTRIBUTION, TTRIBUTIO, RIBUTIO, BUTI, ?  
(1) IBU (2) UT  
(3) UTI (4) BUT
29. BEH, DGJ, ?, EJO, GLQ, INS.  
(1) FLR (2) FIS  
(3) FKO (4) FIL
30. DCXW, FEVU, HGTS, JIRQ, ?  
(1) LMRS (2) ABYZ  
(3) LKPO (4) JIRQ

Q (31 to 34): Choose the correct mirror image of the given words/numbers from amongst the alternatives.

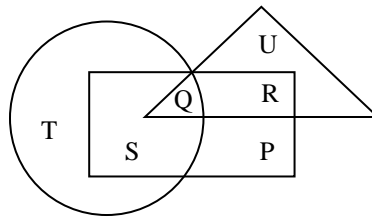
31. JUDGEMRNT  
(1) TNEMEGDUJ (2) TNEMEGDUJ  
(3) TNEMEGDUJ (4) TNEMEGDUJ

32. EFFECTIVE  
 (1) EFECTIVE (2) EVITCEFFE  
 (3) EVITCEFFE (4) EFECTIVE
33. UTZFY6KH  
 (1) HK9YFZLU (2) UTZYF9KH  
 (3) HK9YFZLU (4) HK9YFZTU
34. SUPERVISOR  
 (1) ROPVIRPUS (2) SUPREVISOR  
 (3) ROPVIRPUS (4) SUPREVISOR

Q (36 to 36): Find the mirror image of x from 1, 2, 3 and 4 amongst the given alternatives.



Q (37 to 41): In the diagram below  rectangle represents married people,  circle represents people who lives in joint family,  triangle represents school teacher.



37. By which letter, the married teachers who live in joint family are represented?  
 (1) R (2) Q  
 (3) S (4) P
38. By which letter, the married people, who live in joint family but are not school teachers, are represented?  
 (1) R (2) U  
 (3) S (4) P
39. By which letter, the people, who live in joint family but are neither married nor teachers, are represented?  
 (1) T (2) R  
 (3) Q (4) S

40. By which letter, the people who are married but neither teacher nor live in a joint family are represented?

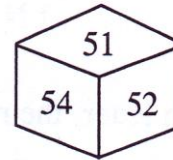
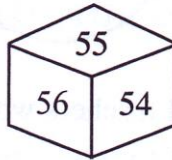
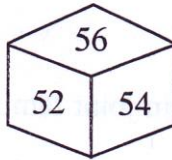
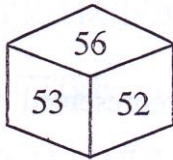
- (1) R (2) P  
(3) Q (4) S

41. By which letter, the people, who are married teacher but do not live in joint family, are represented?

- (1) S (2) Q  
(3) R (4) P

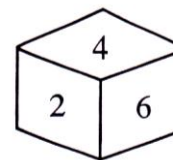
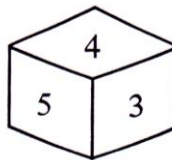
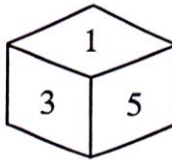
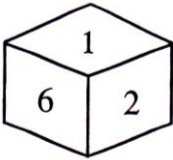
Q (42 to 46): In every question a dice has been shown in different faces on which letters/ numbers/ symbol have been written randomly. Carefully study the faces of the dice and answer the questions based on it.

42. Which number is just opposite of 56?



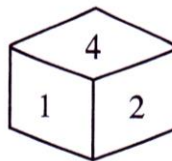
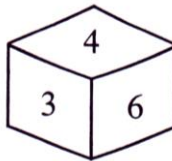
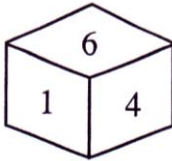
- (1) 54 (2) 55  
(3) 52 (4) 51

43. Which number is just opposite of '1' ?



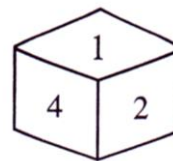
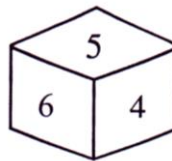
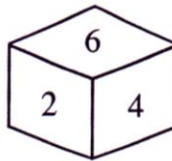
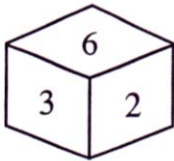
- (1) 5 (2) 6  
(3) 3 (4) 4

44. Which number is just opposite of 4?



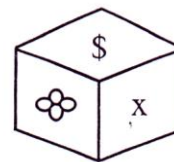
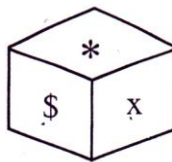
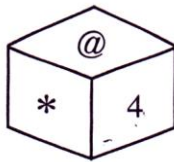
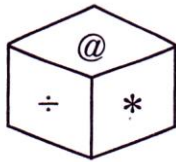
- (1) 6 (2) 5  
(3) 3 (4) 1

45. Which number is just opposite of 6 ?



- (1) 4 (2) 1  
(3) 2 (4) 3

46. Which symbol will be on the face opposite to the face with symbol '\*' ?



(1) @

(3)

(2) \$

(4) x

47. Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, How many boys are there in the row?

(1) 25

(2) 23

(3) 21

(4) 19

48. Malai is fourteenth from the right end in a row of 40 boys. What is his position from the left end?

(1) 24<sup>th</sup>

(2) 26<sup>th</sup>

(3) 27<sup>th</sup>

(4) 28<sup>th</sup>

49. A father is now three times as old as his son. Five years back, he was four times as old as his son. The age of the son (in years) is.

(1) 10

(2) 12

(3) 15

(4) 18

50. When Rahul was born, his father was 32 years older than his brother and his mother was 25 years older than his sister. Rahul's brother is 6 years older than him his mother is 3 years younger his father. How old was Rahul's sister when he was born?

(1) 14 years

(2) 10 years

(3) 8 years

(4) 20 years