

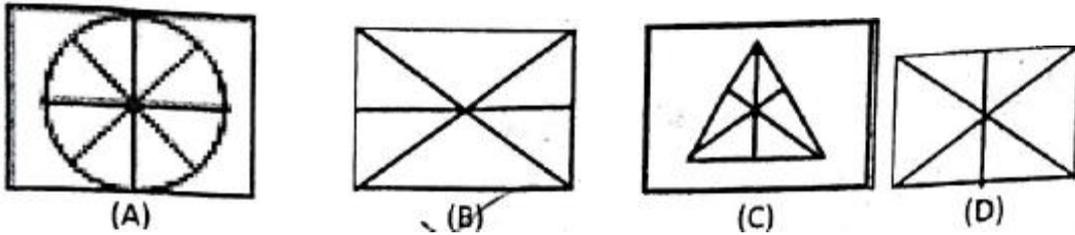
MENTAL ABILITY TEST (MAT) Gujarat-2017

In each of the following questions, a number series is given with one of the term missing. Choose the correct alternative that will. Continue the same pattern and replace the question mark (?) in the given series (1 to 10)

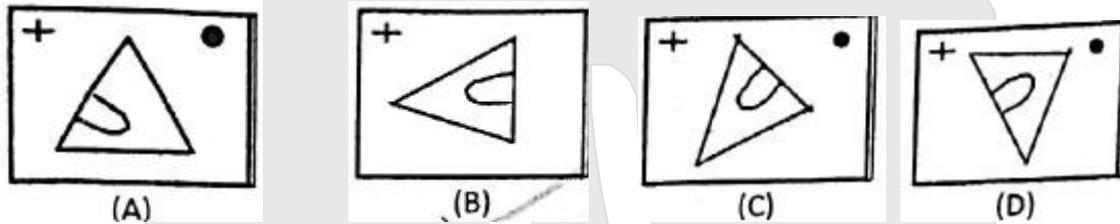
1. 21, 23, 27, 33, _____
(1) 37 (2) 41 (3) 43 (4) 49
2. 1, 6, 15, _____, 45, 66, 91
(1) 25 (2) 26 (3) 27 (4) 28
3. 2, 6, 12, _____ 30
(1) 18 (2) 24 (3) 20 (4) 26
4. 107, 97, 82, 62, _____
(1) 52 (2) 42 (3) 47 (4) 37
5. 2, 1, 4, 3, 6, 5, 8, _____
(1) 9 (2) 10 (3) 7 (4) 8
6. 8, 3, 11, 14, 25, _____
(1) 50 (2) 39 (3) 29 (4) 11
7. 8, 16, 28, 44, _____
(1) 62 (2) 64 (3) 66 (4) 60
8. 2, 8, 18, 32, 50, _____
(1) 64 (2) 72 (3) 70 (4) 68
9. 1, 3, 7, 15, 31, _____
(1) 37 (2) 36 (3) 73 (4) 63
10. 0, 3, 8, 15, 24, _____ 48
(1) 41 (2) 29 (3) 37 (4) 35

In question No 11 to 15, four figure are given in each. One of the figures differs from the rest.

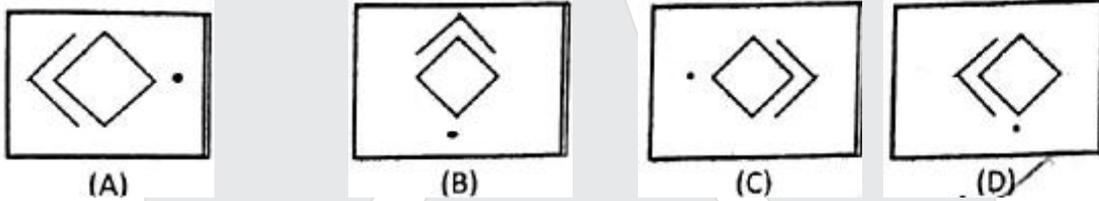
11.



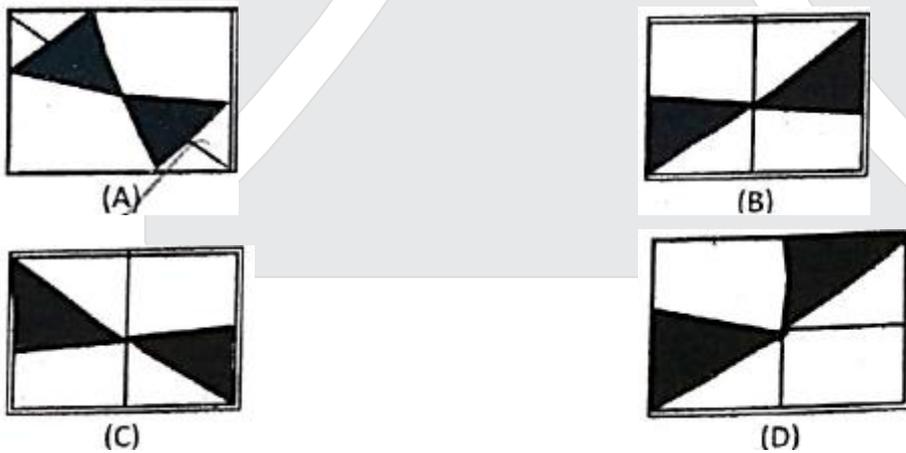
12.



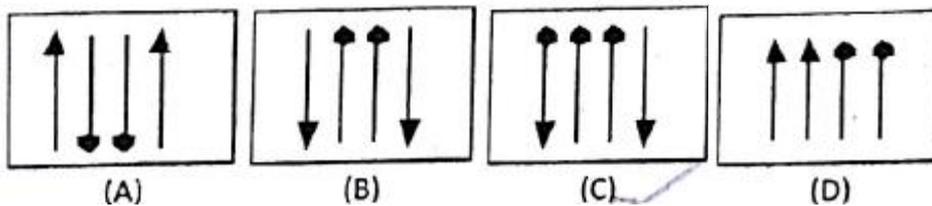
13.



14.



15.



In question No.16 to 20, figures are given with question mark (?). complete the figure replacing question mark (?) with suitable number logically.

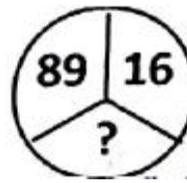
16.



(1) 13



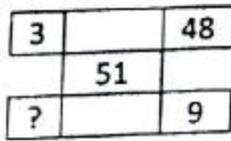
(2) 15



(3) 17

(4) 19

17.



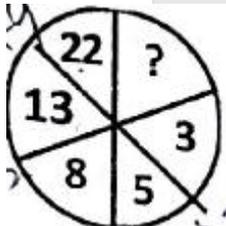
(1) 25

(2) 20

(3) 32

(4) 42

18.



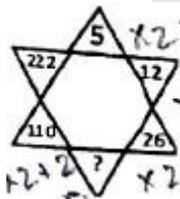
(1) 1

(2) 26

(3) 39

(4) 45

19.



(1) 54

(2) 51

(3) 48

(4) 44

20.

4	3	2
6	9	5
9	27	?

(1) 30

(2) 20

(3) 50

(4) 54

In question No.21 to 25, English alphabets are given digital numbers. Using them find the correct code (number) for other English words from options given below

21. If cup = 40 then KITE = _____
 (1) 10 (2) 20 (3) 30 (4) 45
22. If ZEBRA = 2652181 then LION = _____
 (1) 1291514 (2) 50 (3) 9112514 (4) 2591541
23. If BAG = 71 then VICE = _____
 (1) 69 (2) 70 (3) 75 (4) 90
24. If RAJU = 11-12-13-14 and JUNK = 13-14-10-9 then RANK = _____
 (1) 9-10-11-12 (2) 10-11-12-9 (3) 11-12-10-9 (4) 12-11-10-9
25. If WORK = 4-12-9-16 then WOMAN = _____
 (1) 4-12-14-26-13 (2) 4-26-14-13-12 (3) 23-12-26-14-13 (4) 23-15-13-1-14

In question No.26 to 30, if order of English alphabet is changed, code language is changed, then choose their option from the given option.

26. If TNELLECXE written instead EXCELLENT then what is written for MARKET ?
 (1) TERKAM (2) TEMARK (3) TEKRAM (4) TEKRMA
27. If PQRS is written as KJIH, then EFGH is written as _____
 (1) VUTS (2) STUV (3) SUTV (4) WVUT
28. If WXYZ = DCBA then COME = ?
 (1) XKNV (2) XLNV (3) LNVX (4) LXNU
29. If CARING = EDVGKC and SHARE = UKEPBO then CASKET = ?
 (1) EDXIBP (2) EDWIAP (3) EDWPAI (4) EDWIBP
30. If PICTURE = QHDSVQF then BROWSER = ?
 (1) CQVVTDS (2) CQPVTDS (3) CQPUTDS (4) CQVPPDS
31. Study the diagram and find out the number, that lies inside all the figures.



- (1) 2 (2) 5 (3) 9 (4) 1

32. Pointing at photo of female, Ashok said “ Her father’s wife is my wife’s mother in law. What is the relation of Ashok with that female in photo ?
(1) Sister (2) Wife (3) Mother (4) Daughter
33. As relation of square with perimeter, what is the relation of circle from following in the same manner ?
(1) Area (2) Volume (3) Circumference (4) Side
34. 423411223412244335341123
In the above series, how many 3’s are there such that 4 comes after 3 and 2 comes before 3 ?
(1) 4 (2) 3 (3) 2 (4) 1
35. a-curd, b-milk, c-butter-milk, d-butter, are given. From above milk products, what order or logically correct from following option given ?
(1) bacd (2) abcd (3) dcba (4) acbd
36. Shoes : cobbler :: Food – grains : _____
(1) Trader (2) Farmer (3) Factory (4) Scientist
37. On 26 – January – 1947 is Tuesday, then which day on 2-september-1947 ?
(1) Tuesday (2) Wednesday (3) Thursday (4) Saturday
38. What is the angle between hour hand and minute hand in the clock shows time 8 : 25.
(1) 90° (2) 102.5° (3) 77.5° (4) 12.5°
39. Maulik walks 5 km in east direction, then he turns right and walks 8 km, again he turns and walks 5 km, then he turns rest and walks 8 km. Now, how much would he for from his origin ?
(1) 10 km (2) 18 km (3) 31 km (4) 13 km
40. If is stand by keeping mouth in east direction and turn 100° clockwise and then turn again 145° anticlockwise, then in which direction keeping my mouth will stand ?
(1) North - east (2) South - East (3) North - West (4) West
41. In a line of 200 players, Kartikey’s sequence is 18^{th} from left side, then what is his sequence order from right side ?
(1) 182 (2) 183 (3) 184 (4) 218

In question No. 42, 43 and 44 one word differs from the rest. Which one is that ?

42. (1) Kilometer (2) Centimeter (3) Liter (4) Light year
43. (1) Milk (2) Ghee (3) Butter (4) Oil
44. (1) Ahmedabad (2) Gandhinagar (3) Newyork (4) Mumbai
45. There is a relation between India and Delhi. Which of the following word has the same type of relation with U.S.A ?
(1) Mumbai (2) Washington (3) New york (4) Standford
46. If \times instead of $+$, \div instead of \times , $-$ instead of \div , and $+$ instead of $-$ are considered then what is the answer of following by simplifying ? $18 - (24 \times 3) \div 8$
(1) 18 (2) 16 (3) 15 (4) 12
47. 30 % of 30 % of a number is 9, what is that number ?
(1) 200 (2) 100 (3) 300 (4) 18
48. 2 mangoes = 6 apple, 2 apple = 8 bananas, so instead of buying 1 mango, how many bananas are available ?
(1) 12 (2) 24 (3) 6 (4) 8
49. What would be measure of angle between hour hand and minute hand, when clock shows time 12 o'clock ?
(1) 180° (2) 0° (3) 90° (4) 45°
50. A man passes road of 250 meter broad in 75 second. What is the speed of man in Km/hour ?
(1) 10 (2) 12 (3) 12.5 (4) 15



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