

MENTAL ABILITY TEST (MAT) PAPER

1. (D) 430
Difference of 90, 100, 110, 120
2. (A) 33
Difference of 6, 9, 12, 15
3. (B) 31
Difference of $2x + 1$
4. (A) 100
Square of 14, 13, 12, 11, 10
5. (B) 121
Square of $5^2, 7^2, 9^2, 11^2, 13^2, 15^2$
6. (C) 127
Difference of -66, -55, -44, -33, -22, -11
7. (A) 375
Difference of 30, 60, 30, 60, 30
8. (C) 50
Pattern of $1 + 3, 1 + 3 + 4, 3 + 4 + 8, 4 + 8 + 15, 8 + 15 + 27$
9. (C) 81
Difference of 5, 10, 15, 20, 25
10. (B) 35
Pattern of $[2x]^2 - 1$
11. (A) NPIJU
+1 in each alphabet
12. (A) 209135
 $T = 20, I = 9, M = 13, E = 5$
13. (B) VZDQ
+3 in each alphabet
14. (D) 96
 $I = 17, N = 27, D = 7, I = 17, A = 1, N = 27 (17 + 27 + 7 + 17 + 1 + 27 = 96)$
15. (A) CLUE
All even place alphabet replaced by next alphabet
16. (D) Valley - Depth
Valley Depth are not opposite
17. (D) Horse



18. (C) NOVEMBER

30 days in November

19. (C) Spanish

20. (D) 213

Divisible by 9

21. (A) Clerk

22. (B) Pink

23. (A) Boxing

24. (A) 2

$$(3^2)^2 = 81, (2^2)^2 = 16$$

25. (B) Garage

26. (C) Herd

27. (C) Japan

Currency

28. (A) hydrosphere

29. (C) Chhattisgarh

Capital of State

30. (D) Desert

31. (A) Barometer

Pressure measured by Barometer

32. (B) Malaria

33. (C) eyes

34. (A) XW

Replaced by opposite character

35. (A) Alert

Opposite nature

36. (B) b

37. (C) c

38. (C) c

39. (D) d

40. (B) 4

41. (B) 5 km

(Shortest distance is 5 km)

42. (B) Brother

43. (B) 0

44. (A) 9

$$16 + 3 - 5 \div 2 \times 4 = 9$$

45. (D) 30

$$27 + 81 \div 9 - 6 = 30$$

46. (A) Sunday

7th Tuesday so 19th is Sunday

47. (D) 32

$$7 + 26 - 1$$

48. (A) 3

49. (C) East

50. (C) False

51. (A) Magnify

52. (A) 5633

1st and 3rd letter interchange & 2nd & 4th remains same position

53. (C) 807

2nd & 3rd place are interchange

54. (C) 54

55. (B) 3

56. (B) 20 km/h

$$S = D/T = 10/0.5 = 20$$

57. (A) 18

$$\frac{1}{A} + \frac{1}{B} = \frac{1}{6} \text{ and } \frac{1}{A} = \frac{1}{9}, B = 18$$

58. (D) South- East

59. (B) co

60. (A) ca

61. (D) ta na co

62. (B) ca da co

Happy → co

How → ca

Are → na

63. (C) 24

Sum of opposite number = 36

64. (A) 5

$$7^2 - 5^2 = 24$$

65. (A) 2, 1, 3, 4

66. (B) ITMFKD

-1 in each alphabet

67. (B) 17

$$5 + 4 \div 2 \times 2 - 2$$

68. (D) 225

$$(14+1)^2 = 225$$

69. (A) 160

$$A = 30\%, B = 45\%, C = 25\% = 160$$

70. (A) 06

$$c \xrightarrow{+3} a \xrightarrow{+3} b \longleftrightarrow d$$

71. (B) (4), (1), (3), (5), (2)

72. (C) (1), (4), (3), (2), (5)

73. (B) Two

$$2 \mathbf{4} 5 6 \mathbf{7} 8 9$$

74. (C) G

75. (A) A and B

76. (B) C and G

77. (A) A

78. (C) F

79. (B) 37

$$19 + 19 - 1 = 37$$

80. (A) Four

81. (D)

Angle between circular and arrow

82. (C)

83. (B)

Parallel Lines

84. (C)

85. (C)

Number of sides = Number of cross sign

86. (A)

87. (A)

88. (D)
89. (D)
90. (C)

91 To 95

	Dramatics	Computer Science	Physics	History	Mathematics
A	X	✓	✓	✓	✓
B	✓	✓	✓	X	X
C	X	X	✓	✓	✓
D	✓	X	✓	✓	X
E	✓	✓	X	✓	X

91. (C) D
92. (C) C
93. (D) E
94. (A) A
95. (B) B

96. (A) 1440

$$2 \times 1 = 2$$

$$2 \times 2 = 4$$

$$4 \times 3 = 12$$

$$12 \times 4 = 48$$

$$48 \times 5 = 240$$

$$240 \times 5 = 1440$$

97. (B) 320

$$4 \times 8 \times 10 = 320$$

98. (C) 18

$$9 \times 2 = 18$$

99. (D)

100. (A)

Mirror Image.