NATIONAL TALENT SEARCH EXAMINATION (STAGE - I) - 2019-2020(UP)
SOLUTIONS

MENTAL ABILITY

1. (2)
Sol. All are sequence of alphabet .
2. (4)
Sol. C + J = M
3. (3)
Sol. Difference between alphabet
4. (4)
Sol. +2, +3
5. (2)
Sol. Deer
6. (3)
Sol. Student (Profession)
7. (2)
Sol. Governor
8. (4)
Sol. Mirzapur
9. (3)
Sol. Co-prime
10. (3)
Sol. All are leap year
11. (4)
Sol. Multiple of 7
12. (1)
Sol. Multiple of 3
13. (2)
Sol. 114466
14. (1)
Sol. AABCC
15. (3)
Sol. $\times 3-1$
16. (2)
Sol. $3^2,4^3,5^2,6^3,7^2,8^3,9^2$
17. (3)
Sol. Alphabet (+2)
18. (2)
Sol. Squares
19. (1)
Sol. Cubes
20. (4)
Sol. In alphabets +3, +2, +3, +2 .....
alphabet $\times 3$, alphabet $\times 2$
21. (1)

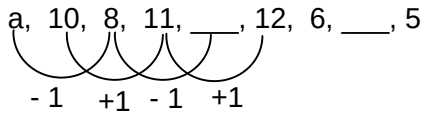
Sol. FOUR

22. (3)

Sol. +2, + 4, + 6 .....

23. (1)

Sol.

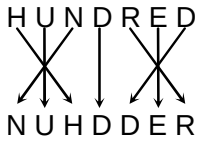


24. (4)

Sol. Two series

25. (2)

Sol.



26. (4)

Sol. -1, +1, - 1, + 1, ...

27. (1)

Sol. Sum of positions

28. (3)

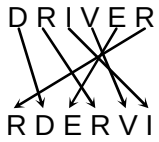
Sol. Sum of position $\times 2$

29. (1)

Sol. Consecutive interchange

30. (3)

Sol.



31. (2)

Sol. (Sum of position)^2

32. (4)

Sol. +2, - 2, +2, - 2

33. (3)

Sol. Position/2

34. (1)

Sol. Position replacement

35. (2)

Sol. Position replacement

36. (1)

Sol. Direct coding

37. (1)

Sol. $2 \times 40 = 92 + 8 - 20$

38. (3)

Sol. $34 + 6 - 18 = 66 \div 3$

39. (4)

Sol. $2 \times 21 \div 7 = 17 - 11$

40. (2)

Sol. $7 + 3 - 4 = 6 \times 1$

41. (4)

Sol. $63 \div 7 = 44 + 6 - 41$

42. (1)

Sol. $69 - 25 + 10 = 6 \times 9$

43. (2)

Sol. $41+32-10=9+54$

44. (3)

Sol. $15\times5\div3=17+8$

45. (3)

Sol. $38\times2=46+33-3$

46. (4)

Sol. $15+7-2=5\times4$

47. (1)

Sol. $24\div6=9+2-7$

48. (3)

Sol. $5\times8=29-4+15$

49. (2)

Sol. $15+14+7=\sqrt[2]{36}=6$

50. (3)

Sol. $(7\times7)\div7$

51. (3)

Sol. $(13+5-2)\div2$

52. (4)

Sol. $(15\times4)-14$

53. (2)

Sol. $(1+4+2)^2$

54. (1)

Sol. $(7\times3)+(7-3)$

55. (3)

Sol. $5\times2=10\times5=50$

56. (4)

Sol. $3+4+5+6=18\Rightarrow1+8=9$

57. (3)

Sol. $(17\times4)-(6\times5)$

58. (4)

Sol. $\left[(6\div1)+(9\div18)\right]$

59. (3)

Sol. Hind → R, S, B, G
English → R, S, A
Mathematics → R, A, B
Science → S, B
Geography → A

60. (3)

Sol. Hind → R, S, B, G
English → R, S, A
Mathematics → R, A, B
Science → S, B
Geography → A

61. (2)

Sol. Hind → R, S, B, G
English → R, S, A
Mathematics → R, A, B
Science → S, B
Geography → A

62. (1)

Sol. Hind → R, S, B, G
English → R, S, A
Mathematics → R, A, B
Science → S, B
Geography → A

63. (2)

Sol. Hind → R, S, B, G
English → R, S, A
Mathematics → R, A, B
Science → S, B
Geography → A

64. (4)

Sol. By observation

65. (4)

Sol. By observation

66. (2)

Sol. By observation

67. (3)

Sol. By observation

68. (4)

Sol. By observation

69. (1)

Sol. +2 in position

70. (2)

Sol. $(22)^2$

71. (4)

Sol. $(14+9+6)=29=7\times5-6$

72. (2)

Sol. Opposite

73. (4)

Sol. Users

74. (2)

Sol. Goal

75. (4)

Sol. FATHER is reverse

76. (1)

Sol. Steam

77. (2)

Sol. 2^3

78. (4)

Sol. Flour

79. (1)

Sol. $\frac{4+9+1}{2}$

80. (2)

Sol. By observation

81. (1)

Sol. By observation

82. (1)

Sol. By observation

83. (1)

Sol. By observation

84. (2)

Sol. By observation

85. (3)
Sol. Set - 2
86. (4)
Sol. Set - 2
87. (1)
Sol. Set - 1
88. (4)
Sol. Set - 4
89. (2)
Sol. Set - 3
90. (4)
Sol. Set - 2
91. (3)
Sol. Set - 3
92. (2)
Sol. Set - 1
93. (1)
Sol. Set - 4
94. (2)
Sol. Set - 4
95. (3)
Sol. Set - 1
96. (1)
Sol. Let R = 10
D = 5
S = 21
A = 84
97. (3)
Sol. Let R = 10
D = 5
S = 21
A = 84
98. (4)
Sol. Let R = 10
D = 5
S = 21
A = 84
99. (1)
Sol. Let R = 10
D = 5
S = 21
A = 84
100. (2)
Sol. Let R = 10
D = 5
S = 21
A = 84