

NATIONAL TALENT SEARCH EXAMINATION, 2017-18

MENTAL ABILITY ANSWER KEY

QUE.	1	2	3	4	5	6	7	8	9	10
ANS.	1	4	1	4	2	4	3	1	4	1

QUE.	11	12	13	14	15	16	17	18	19	20
ANS.	2	2	1	3	2	2	4	3	4	3

QUE.	21	22	23	24	25	26	27	28	29	30
ANS.	3	1	3	2	2	3	1	3	2	4

QUE.	31	32	33	34	35	36	37	38	39	40
ANS.	3	1	3	2	3	4	2	3	1	1

QUE.	41	42	43	44	45	46	47	48	49	50
ANS.	2	1	4	2,4	2	1	1	3	4	3

MENTAL ABILITY SOLUTIONS

1. (1) FN

Logic	BJ	DL	HP	PX	FN
	2 10	4 12	8 16	16 24	32 40

$32=26+6=F$

$40=26+14=N$

2. (4)

+4	+4	+4	+4
AYCD	EUGH	IQKL	MZBC

MZBC

(3rd placed - 1) will give 2nd place and opposite like B - 1 = A opposite Z.

3. (1)

Only 141 is not a prime no.

4. (4)

Sum of all number

$6+1+3+1=11$

$2+1+9+1=13$

$3+3+1+2=9$

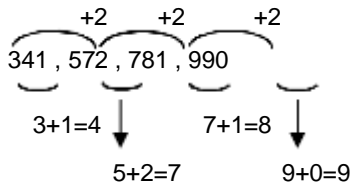
$3+1+6+4=14$ (14 is even)

5. (2)

4	8	12	16
D	H	L	P
6	14	21	28
F	N	U	B
11	22	33	44
K	V	G	R

G33 26+7
R26+18 R

6. (4)



7. (3)

155 by BODMAS
 $\frac{200}{5} = 2520510$

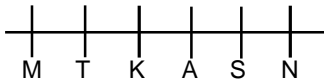
8. (1)

4 side divided into 4
10 side divided into 10

9. (4)

Mirror image + Centre rotating

10. (1)



11. (2)

1 6 5
 $\frac{1 \ 3 \ 1}{2 \ 3 \ 4}$ difference
 $\frac{5 \ 3 \ 3}{2 \ 6 \ 2}$

Similarly - - -

12. (2)

Logical

13. (1)

$\frac{25120}{BEA} \quad T \quad \frac{28}{4} \quad 7$

Logic Sum of all place then divide by 4.

14. (3)

Logic Pattern N K M L J O Q P K

15. (2)

Logical

16. (2)

S O L V E
0 1 2 3 4 logic
S P N Y I

17. (4)

L A R G E
1 1 1 1 1
K Z Q F D

18. (3)

Logical

19. (4)
Logical
20. (3)
8
21. (3)

$$\begin{array}{r} 9 \quad 10 \quad 34 \quad 35 \\ \hline 57 \quad 58 \quad 66 \quad 67 \\ \hline 61 \quad 44 \quad 48 \quad 63 \end{array}$$
22. (1)
See the logic of the numbers from pattern.
23. (3)
27 25+223+15
24. (2)
25. (2)
26. (3)
 N^2-8
27. (1)
Logic pattern
28. (3)
22+26
6 3+3 21
21 4+4 88
88 5+5 445
29. (2)
22+ 2 6
33+3 30
42+2 18
53+3 128
62+2 38
30. (4)
02, 13, 34, 56
Check row and column.
31. (3)
11, 13, 67, 69
Check row and column.
32. (1)
1 October was Monday So, 4 November will be Sunday
33. (3)
All boxes shifting one down the column.
34. (2)
Logical
35. (3)
A M K
18, 3, 1
S P J
K N M
Similarly, 18, 3, 1
C Q L
36. (4)

N 9 M
2,2,4

P 11 Q
K N M

Similarly, 2,12, 4

C Q L

37. (2)
6 km (Direction sense test question)

38. (3)

Logic	0001	0011	0111	1111
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39. (1)

PLAYERS	Foot Ball	Base Ball	Cricket	Volley Ball	Hockey
Hemant					
Madhav					
Govind					
Ramesh					
Anant					

40. (1)

PLAYERS	Foot Ball	Base Ball	Cricket	Volley Ball	Hockey
Hemant					
Madhav					
Govind					
Ramesh					
Anant					

41. (2)
Logical

42. (1)
Logical

43. (4)
Folding logic

44. (2) & (4) both option are correct

45. (2)
13134
19 1910 So, 10 4 6
Similarly, 31314 So, 10 4 6
37 3710

46. (1)
 8^2 64
 7^3 343
 7^2 49
 6^3 216
Similarly, 6^2 36
 8^3 512

47. (1)
Logic unfolding

48. (3)
Logical

49. (4)
Logical Venn Diagram

50. (3)
Logical Venn Diagram

PRAASHNOTTAR
