MOTION

Nurturing potential through education

NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION

CLASS - IV

ANSWER KEY

1.	(D)	**2.**	(C)	**3.**	(A)	**4.**	(A)	**5.**	(C)	**6.**	(D)	**7.**	(D)
8.	(B)	**9.**	(D)	**10.**	(D)	**11.**	(A)	**12.**	(C)	**13.**	(B)	**14.**	(C)
15.	(D)	**16.**	(C)	**17.**	(C)	**18.**	(B)	**19.**	(A)	**20.**	(D)	**21.**	(C)
22.	(C)	**23.**	(B)	**24.**	(D)	**25.**	(D)	**26.**	(D)	**27.**	(A)	**28.**	(C)
29.	(B)	**30.**	(C)	**31.**	(B)	**32.**	(B)	**33.**	(D)	**34.**	(C)	**35.**	(C)
36.	(B)	**37.**	(C)	**38.**	(C)	**39.**	(B)	**40.**	(C)	**41.**	(B)	**42.**	(B)
43.	(C)	**44.**	(C)	**45.**	(D)	**46.**	(C)	**47.**	(A)	**48.**	(C)	**49.**	(C)
50.	(C)	**51.**	(C)	**52.**	(B)	**53.**	(C)	**54.**	(B)	**55.**	(B)	**56.**	(C)
57.	(C)	**58.**	(A)	**59.**	(D)	**60.**	(B)	**61.**	(B)	**62.**	(C)	**63.**	(C)
64.	(C)	**65.**	(A)	**66.**	(C)	**67.**	(D)	**68.**	(B)	**69.**	(C)	**70.**	(C)
71.	(C)	**72.**	(D)	**73.**	(C)	**74.**	(C)	**75.**	(B)	**76.**	(A)	**77.**	(D)
78.	(C)	**79.**	(D)	**80.**	(B)	**81.**	(A)	**82.**	(C)	**83.**	(C)	**84.**	(C)
85.	(A)	**86.**	(A)	**87.**	(C)	**88.**	(C)	**89.**	(B)	**90.**	(D)	**91.**	(C)
92.	(C)	**93.**	(A)	**94.**	(C)	**95.**	(C)	**96.**	(D)	**97.**	(B)	**98.**	(A)
99.	(D)	**100.**	(A)										

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SOLUTIONS

1. All the numbers which are multiplied by zero give zero result.

2. 5 × 25 paise

3. XXV + XIV = XXXIX

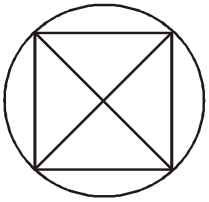
4. $\frac{1111}{11} = 101$

5. 19 – 18 + 17 – 16 + 15 – 14 + 13 – 12 = 4

6. 80 sec × x = 45

$x = \frac{45}{80} = \frac{9}{16}$

7. Diameter = 2 (Radius)

8.  6

9. $1 - x - \frac{3}{12} = \frac{1}{6}$

$x = \frac{7}{12}$

11. 65420 – 20456 = 44964

12. $4a^2$, $8a^2$, $2a^2$, $5a^2$

So, $2a^2$, $4a^2$, $5a^2$, $8a^2$

13. XI – IX = XX [wrong]

14. Total pages = 160

0 digit pages = 26

18. 4000 – 4 = 3996

22. 35 + 24 = 59

24. 10000 Ten thousand

25. 15kg – 7.3kg = 7kg 700g

26. 1 year = 52 weeks

27. 596280 = 500000 + 90000 + 6000 + 200

28. 60 × 4 + 30 × 4 + 10 × 2 = 380

30. Area of rect. = 8 × 4 = 32 cm^2

31. $\frac{2}{1} + \frac{3}{8} + \frac{7}{8} = 3\frac{1}{4}$

32. x – 10 – 5 + 7 = 20

x = 28

33. 231456

34. Let 5m long truck + 1m gap = 6m truck

So, total trucks = $\frac{600}{6}$ = 100 trucks

38. $400 \times \frac{1}{4} = 100$

Left is = 400 – 100 = 300 ml

39. 544 + 694 + 775 = 2013

43. 101 × 101 – x = 10101

x = 100

45. 1111111111 × 11 = 12222222221

52. (B)

56. (C) On colling water become Ice solid, and in termolecular space are very low and solid are closely packed.

59. (D) Moon is a satellite.

60. (B) On heating solid melt

61. (B)

62. (C)

63. (C)

65. (A) In solids particles are closely packed and force of attraction is become more as compared to other states of matter in solid.

67. (D)

68. (B) Planet = Wanderer

70. (C) R is Jupiter

71. (C) Chemical energy is stored in cell.

77. (D) It is easy to shift from one place to other.

82. (C) Pebble, which is a solid.