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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 2
Question Paper Code : UN494

KEY

1. B	2. B	3. A	4. A	5. D	6. B	7. A	8. B	9. D	10. B
11. A	12. A	13. D	14. B	15. A	16. C	17. B	18. B	19. D	20. B
21. C	22. D	23. C	24. B	25. C	26. A	27. B	28. C	29. C	30. D
31. B	32. A	33. C	34. A	35. B	36. B	37. C	38. D	39. A	40. B
41. A	42. B	43. D	44. B	45. B	46. A	47. A	48. B	49. C	50. D

SOLUTIONS

MATHEMATICS

01. (B) $456 = 450 + 6$
= 45 tens + 6 ones

02. (B)

(A) 4 sevens: This is like having 4 groups of 7.
$7 + 7 + 7 + 7 = 287 + 7 + 7 + 7 = 28$.

(B) $7 \times 7 \times 7 \times 7$: This means multiplying 7 by itself 4 times. That's a really big number, much bigger than 28.

(C) $4 + 4 + 4 + 4 + 4 + 4 + 44 + 4 + 4 + 4 + 4 + 4 + 4$: This is like adding 4 together 7 times, just like $7 \times 47 \times 4$. So, it equals 28.

(D) 7 groups of 4 : This is the same as $7 \times 47 \times 4$, which is 28.

So, the one that doesn't have the same value as $7 \times 47 \times 4$ is $7 \times 7 \times 7 \times 77 \times 7 \times 7 \times 7$.

03. (A) ₹ 5×3 = ₹ 15
₹ 2×3 = ₹ 6
₹ 1×3 = ₹ 3
₹ 15 + ₹ 6 + ₹ 3 = ₹ 24

04. (A) ★ = 54; ● = 34
$54 - 34 = 20$

05. (D) $2 \times 5 = 10$
$10 \times 10 = 100$

06.	(B)	Option (A) : 8 × 4 = 4 × 8	(✘)
		Option (B) : 6 × 8 > 4 × 4	
		48 > 16	(✔)
		Option (C) : 7 × 3 < 2 × 5	
		21 > 10	(✘)
		Option (D) : 6 × 4 > 3 × 9	
		24 < 27	(✘)

07. (A) 20 ÷ 2 = 10

08. (B) 2 × 5 = 5 × 2

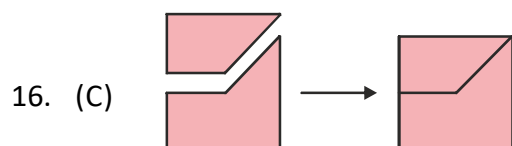09. (D) 573 − 189 = 384

The missing digit is 8

10. (B) 21 − 9 = 12 m

11. (A) Comparing scale 1 and 2,

Y = 1 kg

X = 2 kg

12. (A) (i) and (iii) are made up of cuboid, cylinder and cone.

13. (D) 347 − 1 = 346 (not 348)

14. (B) 615 = Six hundred and fifteen

15. (A) 12 ÷ 2 = 6

16. (C)

17. (B) 8:55 is not between 9:00 a.m. and 12:00 noon

18. (B) Vinod had ₹ 3 more than Chandu

Amount Chandu had

= 3 × ₹ 2 + 4 × 50 p = ₹ 6 + ₹ 2

= ₹ 8

∴ Amount Vinod had = ₹ 8 + ₹ 3

= ₹ 11

19. (D) 6 + 4 = 10 = 14 − 4

20. (B) 10 × 10 = 100 litres

GENERAL SCIENCE

21. (C) In the given options (A), (B), (C) and (D) the children are walking, bathing, sitting and cycling respectively. Sitting requires least usage of bones and muscles as compared to the other three activities.

22. (D) In the given figure, at time P shadow is formed in the west direction which means Sun is towards east. This means that it is morning time (8:00 am) and the shadow formed at this time is quite long. Similarly long shadow at time R in opposite direction of shadow formed at P indicates that it is evening time (4:00 pm). Shortest shadows are formed at noon. This means time Q could be 12:10 pm.

23. (C) The given picture is a globe.

24. (B) We should not eat uncovered food.

25. (C) P - (ii), Q - (iv), R - (i), S - (iii)

• Playing with scissors can cut your fingers.

• Biting your nails can make you sick.

• Lighting a matchstick can burn your fingers.

• Running up and down the stairs can make you fall down.

26. (A) Speed breaker on the road.

27. (B) A house should not have flies and mosquitoes.

28. (C) Parathas, Jaggery and butter are sources of energy giving foods.

29. (C) The plant part shown below is leaf. Leaf makes food for the plant.

30. (D) Honey and Meat are obtained from animals.

31. (B) The position of the earth is at letter 'Q'.

32. (A) There are five sense organs in our body.

33. (C) Both Abhi & Anu made right statements.

34. (A) In areas where snowfall is common, houses are built with sloping roofs so that snow slides off easily.

35. (B) Moon changes its shape every day called phases.

36. (B) Cauliflower is a flower.

37. (C) Coal is a black rock.

38. (D) The given figure shows a rib cage. It protects our heart and lungs.

39. (A) Our stomach looks like a pouch.

40. (B) Lion is the king of the jungle. It eats only flesh of other animals.

41. (A) Tin roofs are blown away due to the force exerted by the fast blowing wind (moving air).

42. (B) Rhinoceros (2) is a wild animal while sheep (1) and goat (2) are domestic animals.

43. (D) Water is absorbed into the soil, plant roots is absorbed from the soil. It collects into ponds, reservoirs, oceans and rivers.

44. (B) Donkey is used for carrying load.

45. (B) Tiger - omnivorous is an incorrect match. Tiger is a carnivorous animal.

46. (A) Camel is known as the 'ship of the desert'.

47. (A) Igloo is made up of ice.

48. (B) We get nuts from plants.

49. (C) 1-iv, 2-i, 3-ii, 4-iii

   • Rocks used for kitchen counter tops is Granite.

   • Rocks used for making blackboard is Slate.

   • Softest material is Talc.

   • Minerals used to make lead of pencils is Graphite.

50. (D) Both mustard and coconut are oil producing plant.

The End