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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

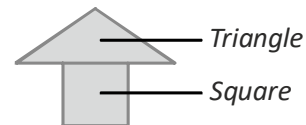**CLASS - 2**
Question Paper Code : UN487

KEY

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

SOLUTIONS

MATHEMATICS

01. (D) The number is less than 1000
The number has 90 tens = 900
And the ones place is the same as the digit in the hundreds place = 909

02. (C) Weight of the plate = 100 g
Weight of both cake & plate = 600 g
Weight of the cake = 600 g – 100 g
= 500 g

03. (D) Descending order = 8, 6, 5, 3, 2
1st digit = 8
middle digit = 5
sum = 8 + 5 = 13

04. (D) The amount of water a swimming pool holds.

05. (D) 4 + 4 + 4 + 4

06. (C) 12:10 pm is in the afternoon.

07. (A)

Triangle
Square

08. (A) Number of fish tanks = 4
Number of fish in each tank = 10
Number of fish in 4 tanks = 40
He boughts one more tank.
So, total 5 tanks
Number of fish in 5 tanks = 40
Number of fish in 1 tank = 40 ÷ 5
= 8

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09.	(B)	More than one month
10.	(C)	2 groups of 5 = 2 fives
		10 = 10
11.	(C)	13 + 20 = 33
		33 − 10 = 23
		23 + 8 = 31
12.	(A)	Cost of a doll = ₹ 35
		Amount to be given to the shopkeeper to buy the toy = ₹ 20 + ₹ 10 + ₹ 5 = ₹ 35
13.	(B)	Total number of pencils brought by students = 30
		Each student brought = 10 pencils
		Number of students = 30 ÷ 10
		= 3
14.	(D)	Number of triangles = 2
		Number of circles = 12
		= 12 − 2 = 10
15.	(A)	6 hundreds 30 ones ☐ 600 + 10 + 7
		600 + 30 ☐ 600 + 17
		630 ☐>☐ 617
16.	(C)	Divided into 2 parts

17.	(D)	Total length of the piece of card = 16 paper clips.
18.	(B)	8 tens + 2 ones = 80 + 2 = 82
19.	(C)	12 + 4 = 16

4   8   12   ?   20
+4   +4   +4   +4

20.	(B)	1 half of the circle is shaded

GENERAL SCIENCE

21.	(C)	Image at option (C) indicates school ahead.
22.	(D)	Stomach is an internal organ. Eyes, ear and nose are external organs.
23.	(C)	Carrot is a modified root eaten by us.
24.	(B)	Both watermelon and pumpkin are creepers.
25.	(A)	Arya is obeying safety rule by climbing and descending the stairs carefully.
26.	(A)	The product is yarn obtained from Jute plant.
27.	(D)	Bear is both plant and animal eater.
28.	(D)	We can save water by repairing the tap that drips and rain harvesting.
29.	(C)	The given picture is model of earth.
30.	(C)	The kite flies with the help of air. It proves that air moves things.
31.	(B)	In the given classification chart, group A consists of hard rocks and group B consists of soft rocks. Hence X could be marble and Y could be graphite.
32.	(C)	The given picture is first aid box.
33.	(C)	The sun is a star.
34.	(B)	We should not bite our nails as germs and dirt could be present under the nails. Biting them can make us ingest these germs and we can fall sick.
35.	(A)	We get wool from sheep. Woollen cap is made by knitting wool.
36.	(A)	X is a joint where two bones meet.
37.	(C)	Bungalow is a pucca house and caravan is a mobile house.
38.	(B)	Skull is made up of a group of bones that protects the brain.
39.	(C)	Egg, meat, milk and pulses are body-building food. They help us to grow.
40.	(A)	Hard skin of a tree trunk is called bark.
41.	(B)	We should always wash our hands before eating to keep away germs, dirt and dust present in our hands.

42. (B) Rani is able to see the peacock with the help of her eyes.

43. (B) The figure given in option B is of a mushroom. Mushroom cannot prepare its own food. It depends on dead plants and animals for food and it is not a plant.

44. (A) Dried dung of animals like cow, buffalo, goat, etc., are used as a fuel.

45. (B) Flowers produce fruits. Plucking almost all the flowers from the lemon tree would result in reduced number of lemons.

46. (D) Band aid, scissors, bandage are present in first aid.

47. (B) Pine tree and earthworm are living things.

48. (A) Options (A), (B) and (C) show, knife, tennis bat and ball and doll respectively. Knife is not safe to play with while racket and doll are safe to play.

49. (B) Bee is an insect with six legs and four wings.

50. (A) P-III ; Q-IV ; R-II ; S-I

======= *The End* =======