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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION

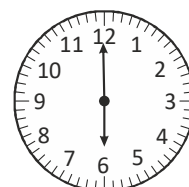**CLASS - 2**
Question Paper Code : 1P214

KEY

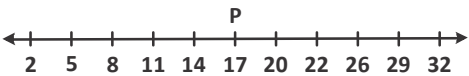| 1. B	2. B	3. A	4. C	5. C	6. D	7. B	8. C	9. D	10. A
11. B	12. B	13. D	14. B	15. D	16. D	17. B	18. C	19. C	20. C
21. D	22. C	23. B	24. B	25. C	26. A	27. A	28. B	29. A	30. C
31. D	32. B	33. C	34. D	35. C	36. B	37. B	38. B	39. A	40. D
41. B	42. D	43. C	44. B	45. B	46. A	47. A	48. A	49. B	50. D

SOLUTIONS

MATHEMATICS

01. (B) Petals left on one flower: $6 - 2 = 4$

Petals left on 5 flowers: $5 \times 4 = 20$

02. (B) (A) $50 + 60 = 110$

(B) $160 + 44 = 204$

(C) $500 + 200 = 700$

(D) $400 + 100 + 46 = 546$

03. (A) Cones: 9

Spaces between cones: $9 - 1 = 8$

Distance each space: 7 m

Total distance: $8 \times 7 = 56$ m

04. (C) $\square = 4$; $\triangle = 7$

$7 - 4 = 3$

05. (C)

06. (D) R is 18 units from P

Q is 5 units left of R → Q is 13 units from P $(18 - 5)$

Distance from Q to S = 20 units

Distance from P to S = $13 + 20 = 33$ units

07.	(B)	Roll numbers: 1 to 60

07. (B) Roll numbers: 1 to 60

Even numbers: 2, 4, 6, …, 60

Count of even numbers = 60 ÷ 2 = 30

08. (C)

$$\begin{array}{r} 6\ 0\ 2 \\ -\ 3\ 2\ \boxed{8} \\ \hline 2\ 7\ 4 \end{array}$$

09. (D) There are 27 children. Each packet has 6 cakes.

4 packets = 24 cakes → not enough

5 packets = 30 cakes → enough

10. (A) 3 apples = 3 × 2 apricots = 6 apricots

6 apricots = 6 × 4 cherries = 24 cherries

11. (B)

P

2 5 8 11 14 17 20 22 26 29 32

12. (B) 🌸 ÷ ⭐ = 🔺,

🔺 × ⭐ = 🌸

13. (D) Box A + Papaya = 6 kg

Box A + Box B + Papaya = 10 kg

Box B = 10 kg − 6 kg

Box B = 4 kg

14. (B) 1 bottle = 1 liter

Jug can hold = 2 liters

3 bottles = 3 liters

Jug gets full with 2 liters → 1 liter left

This 1 liter will spill out

15. (D) Ravi gets Rs. 2 back

Sita gets Rs. 8 back

Sita gets 6 rupees more than Ravi.

16. (D) Each tray = 12 eggs → 3 × 12 = 36 eggs

17. (B) Difference = 7 − 5 = 2

18. (C) 56 ÷ 7 = 8,   36 ÷ 6 = 6,

81 ÷ 9 = 9,   35 ÷ 5 = 7 → largest is 9

19. (C) Cube has flat faces → cannot roll

20. (C) Numbers between = 752, 764, 774 → smaller than 760 = 752

GENERAL SCIENCE

21. (D) Animals like squirrels, rats, and rabbits have sharp gnawing incisors used to eat fruits and nuts.

22. (C) Ginger is a modified underground stem called as a rhizome.

23. (B) The skeletal system gives shape and support to the human body.

24. (B) The nervous system controls and coordinates the activities of all other body systems.

25. (C) The brain is the main control center of the body and regulates body functions.

26. (A) Lions live in caves or dens forest and shelter.

27. (A) Goat is a domestic animal that is reared by humans for milk, meat, and other uses.

28. (B) Taking a bath daily is a good habit that helps to maintain personal hygiene and health.

29. (A) Study tables and chairs are made from wood obtained from trees.

30. (C) A panther belongs to the cat family and is most similar to a cat.

31. (D) For burns, first aid includes applying ice (cold) and covering with a clean bandage.

32. (B) The given plant is a climber (like pea). Grapevine is also a climber, so it belongs to the same group.

33. (C) Cow, goat, dog, and cat are all domestic animals kept by humans.

34. (D) A caravan is a house on wheels used for travel and living.

35. (C) Milk is called a complete food as it helps in growth, provides energy, and protects from diseases.

36. (B) Rain and dew are liquid states of water; water vapour is gas and snow is solid.

37. (B) 1 → Coal (iv)

2 → Slate (i)

3 → Talc (ii)

4 → Graphite (iii)

38. (B) (bread), II (leafy vegetable), and V (jam) are obtained from plant sources. Egg and butter are animal products, and salt is a mineral.

39. (A) All living organisms require nutrition, perform respiration, and reproduce. Photosynthesis is not performed by all living organisms.

40. (D) Many plants also grow from stems, roots, tubers etc., not only from seeds.

41 (B) Mango is a fruit and fruits develop from the flower of a plant.

42. (D) Bear, crow and cockroach are omnivores, so they eat both plant and animal parts.

43. (C) Sam – cleaned with water and used as a bandage.

44. (B) Steam rising into the air.

45. (B) They become part of the soil.

46. (A) Silica

Glass is made mainly from silica, which comes from sand.

47. (A) Granite is a hard and durable rock, making it ideal for construction uses like roads, countertops, and buildings.

48. (A) Cotton plant

49. (B) Water is vital for digestion, nutrient transport, and temperature control in all living things.

50. (D) Fruits and vegetables are protective foods. Both animals and plants are sources of food.

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