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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 1
Question Paper Code : 1P114

KEY

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

SOLUTIONS

MATHEMATICS

01. (B) Least 2 digit number 10
         10 – 7 = 3

02. (B)

03. (C)

04. (B) Sita adds apples each day:
         Monday to Sunday → 1 + 2 + 3 + 4 + 5 + 6 + 7 = 28 apples
         This is a simple number pattern – a sum of the first 7 natural numbers.

05. (D) 7 × 5 = 35

06. (D)

07. (A)   is the correct to measure length of the pencil.

08. (C) (8, 6) (12, 2) (10, 4)

09. (D) The number 15 will never find in clock face.

10. (D) Q, R, P

11. (C) Option A : 9 + 9 = 18

Option B : 2 × 9 = 18

Option C : 6 + 3 = 9

Option D : 6 × 3 = 18

12. (D) ◯ = 1 kg

◯ ◯ = 2 kg

◯ ◯ ◯ ◯ = 4 kg

▯ = ◯ ◯

Both the weight are balanced

∴ Weight of ▯ = 2 kg

13. (B) The second Saturday is usually between 8th and 14th.

14. (B) [figure with spirals] → 6 in number.

15. (C) 9 + (3 × 3) = 9 + 9 = 18

GENERAL SCIENCE

16. (B) When water freezes, its molecules slow down and arrange into a solid structure. Thus, it changes into ice

17. (B) There are 6 living beings present in the picture including 4 children, 1 bird and one dog.

18. (A) Giraffe is a wild animal. It lives in the open areas of forest and not in a den.

19. (B) The shape of the Moon appears to keep on changing every night.

20. (D) Elephant young one is calf. Kid is the young one of goat.

21. (B) The time in between a new moon and a full moon is two weeks.

22. (D) Zebra is an animal which is a living thing.

23. (D) For a wound, first aid includes washing away dirt, cleaning with an antiseptic solution, and applying a sterile bandage to prevent infection.

24. (D) The blindfolded boy cannot see colours, so he cannot identify white and pink flowers.

25. (D) Cow and sheep are domestic; bear, deer and lion are wild animals.

Wild animals are numbers 2, 3 and 5.

26. (B) Actvities shown in options (A), (B), (C) and (D) are blowing of bubbles, brooming, flying kite and playing with pin wheel respectively. Only brooming does not require air while all other activities require air.

27. (A) Jaggery is made from the juice of sugarcane.

28. (B) Stars look small because they are very, very far away from US, Even though stars are huge, their great distance makes them appear like tiny points in the sky.

29. (D) Football, balloon, and tyre all have air inside them.

30. (B) The Sun is very bright and lights up the whole sky during the day

31. (B) Herbs are small plants with soft stems, others are shrubs or trees.

32. (D) Creepers are plants that grow along the ground with weak stems.

33. (A) Pumpkin, Watermelon and Strawberry is a creeper

34. (B) The picture shows the moon as a thin, curved sliver. This shape is called a crescent moon, which occurs when only a small part of the moon's surface facing Earth is lit by the sun.

Watermelon, pumpkin, and strawberry all grow close to the soil and spread along the ground.

35. (C) They are short with woody stems.

36. (C) Mint, rosemary, and basil are small, soft-stemmed plants commonly used in cooking.

Such plants are called herbs

37. (C) On a rainy day, we use a raincoat to keep our body dry and an umbrella to protect ourselves from rain. Woollen sweaters, cotton shirts, or woollen caps and gloves are used for cold weather, not specifically for rain.

38. (C) Identify the insects in the picture:

   1. Ant – insect

   2. Butterfly – insect

   3. Ladybug – insect

   4. Fly – insect

   5. Bee/Wasp – insect

   Other animals (pigeon, fish, snake, camel) are not insects.

   So, the total number of insects = 5.

39. (C) Fragrance (smell) is detected by the olfactory receptors in the nose, so the baby uses the nose to know the flower's fragrance.

40. (B) Bird is a living thing, whereas river, soil, and sky are non-living.

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