

**UNIFIED COUNCIL**

Foundation for success

**NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION****CLASS - 1****Question Paper Code : 1P214****KEY**

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

SOLUTIONS**MATHEMATICS**

01. (B) First find the number that is 2 more than 5: $5 + 2 = 7$
The number just before 7 is 6.

02. (C) First add the known numbers $10 + 2 = 12$
Now subtract from 18:
 $18 - 12 = 6$
This 6 is shared by two same blanks, so $6 \div 2 = 3$

03. (D) The jumps follow a pattern: 1, 6, 5, 4, 3, 2, then back to 1.
Start counting the jumps one by one:
 $1 \rightarrow 6 \rightarrow 5 \rightarrow 4 \rightarrow 3 \rightarrow 2$ (6 jumps) \rightarrow back to 1 $\rightarrow 6 \rightarrow 5 \dots$ and keep going.

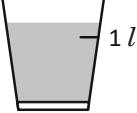
After following the pattern carefully, the 50th jump lands on 6.

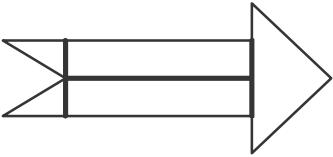
04. (C) $5 \text{ } \square + 4 \text{ } \square = 9 \text{ } \square$

9	5	4
6	4	2
3	1	2

06. (A,B,D) 8 and 9 $\rightarrow 8 + 9 = 17$
9 and 10 $\rightarrow 9 + 10 = 19$
10 and 11 $\rightarrow 10 + 11 = 21$
So, the possible sums are 17, 19, and 21.

07. (A) Anu had 10 tins.
She gave 3 tins to John.
Jay got 1 more than John, so 4 tins.
She gave 7 tins in total.
 $10 - 7 = 3$ tins left.

08. (B) 

09. (B) 

10. (C) Cup R contain more water than Q and less than cup S

11. (C) Check each statement
 (A) Zero is smaller than one (correct)
 (B) Eight is one more than seven (correct)
 (C) Twenty is three tens (three tens = 30) (incorrect)
 (D) Four is one less than five (correct)

12. (B) Apple = 4 kg.
Mango = 4 kg (same as apple).
Papaya is heavier.
 $4 + 6 = 10$ kg

13. (B) Noon is 12:00 pm.
The time just before noon is 11:30 am.

14. (A) The clock shows 3:00.
Moving the minute hand halfway means 30 minutes forward.
30 minutes after 3:00 is 3:30.

15. (B) $3 \text{ baskets} \times 12 \text{ oranges} = 36 \text{ oranges}$

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16. (A) to stop.

17. (C) The weather in the given picture is Sunny.

18. (D) In option (A), waste material is burning. In option (B), the car is producing smoke and in option (C), burning crackers are producing smoke. All these activities make the air dirty.

19. (C) A Rock is a non-living thing which never grows and remains same size.

20. (D) Combing of hair does not need water.

21. (A) A beverage is a drink prepared from plant parts. Tea is made from the leaves of the tea plant (*Camellia sinensis*) and is consumed as a drink.
Radish and potato are vegetables, not beverages, so "all of these" is incorrect.

22. (D) Options (A), (B) and (C) show well, tube well and dam respectively. Well and tube well are used by people living in villages to get water present under the Earth's surface.

23. (A) Carrot is eaten both raw and cooked.

24. (D) The size of the moon is smaller than the earth and the size of the earth is smaller than the sun.

25. (B) We wear woollen clothes in winters.

26. (C) The animal shown in the picture is a horse. It is kept in the stable. Shed, kennel and coop are homes of cow, dog and hen respectively.

27. (B) Doing exercise, helps us to build strong bones and muscles.

28. (A) The Sun gives out its own light.

29. (C) Eyes
When watching a cartoon, your eyes are used the most to see the pictures, colors, and movements on the screen.

30. (C) The moon gives us light that it gets from the sun.

31. (C) The sun gives us heat and light.

32. (C) Living thing need food to live.	37. (C) Hen
33. (D) Both (A) & (B) Living thing need air to live.	A hen is a bird, and birds lay eggs. Dogs, cows, and cats are mammals that give birth to live young.
34. (C) Solar System The Solar System is the group of the Sun, its planets, and their moons that move around it.	38. (B) Touch Our skin has touch receptors that help us feel sensations like heat, cold, pressure, and pain.
35. (C) Birds need air to fly in the sky.	39. (A) Brain The brain controls our thoughts, memory, and learning, helping us think and understand things.
36. (D) Climbing plants Climbing plants have weak stems and use tendrils or other supports to grow upward along walls, sticks, or other plants.	40. (B) It turns into ice. When water freezes, it changes from liquid to solid form called ice.

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