



# UNIFIED COUNCIL

An ISO 9001:2015 Certified Organisation



## NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 2

Question Paper Code : UN465

### KEY

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

### SOLUTIONS

#### MATHEMATICS

- 01: (D)  $P = 16$  and  $R = 16$   
So, P & R gives the same value.
- 02: (A) 8 tens and 8 ones =  $80 + 8 = 88$
- 03: (B)  $3 + 6 = 9$  and  $12 - 1 = 11$   
More than 9 and less than 11 is 10
- 04: (B) Triangles = 4, rectangles = 14  
 $14 - 4 = 10$

05: (A)



Venkat

There are 8 people in the queue at first.

$$8 - 2 = 6$$

06: (B)

The time to show is 4:45

But the time in the clock is 4:15

To show the time 4:45 the minute hand should point on the number 9.

07: (B)  $\frac{\quad}{6} = 104$   
 $= 104 \times 6 = 624$   
 Same number  $624 \div 8 = 78$

08: (D)  
 Option (A)  $42 + 45 = 40 + 47$   
 $87 = 87$

Option (B)  $53 + 33 = 98 - 12$   
 $86 = 86$

Option (C)  $78 - 36 = 21 + 21$   
 $42 = 42$

Option (D)  $56 + 11 = 76 - 11$   
 $67 = 65$  (Not true)

09: (C) Cost of a book = ₹ 20  
 Cost of a book & 4 pairs of pencils = ₹ 32  
 Cost of 4 pairs of pencils = ₹ 32 - ₹ 20 = ₹ 12  
 Cost of 1 pair of pencils = ?  
 $₹ 12 \div ₹ 4 = ₹ 3$

10: (A) Number of rice bags = 8  
 Weight of 1 rice bag = 15 kg  
 Total weight of 8 rice bags =  $8 \times 15 = 120$  kg


11: (D)  $5 + 7 = 12$  (Tuesday and Wednesday)  
 $12 + 6 = 18$

12: (B)  $97 + 89 = 186$

13: (B) 45 minutes after 5 O' clock is 5:45

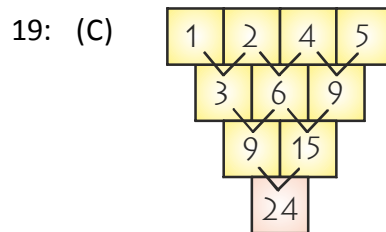
14: (D) Number of bags = 6  
 Number of mangoes in each bag = 6  
 Total number of mangoes =  $6 \times 6 = 36$  mangoes

15: (C)  

16: (C)  $A = 8$  ()  
 $A = 2B$   
 $B = 8 \div 2 = 4$  strawberries

17: (B) Number of wheels for 1 bicycle = 3  
 Number of wheels for 7 bicycles =  $7 \times 3 = 21$  wheels

18: (C) Height of the man = 7 m  
 Height from man head to lamp post = 8 m  
 Height of the stool = 3 m  
 $= 7 \text{ m} + 8 \text{ m} + 3 \text{ m} = 18 \text{ m}$



20: (D) 1 hour = 60 minutes  
 5 hours =  $60 \times 5 = 300$  minutes  
 Number of 20 minutes in 5 hours =  $300 \div 20 = 15$   
 So, 15 twenty minutes in 5 hours.

### SCIENCE

21. (C) Giraffe is the tallest plant - eating wild animal.
22. (A) Squirrel lives in the holes of a tree.
23. (A) Butterfly drink nectar from flowers.
24. (C) Bees make their colonies in hives called beehives.
25. (B) We eat both the seeds and leaves of the coriander plant.
26. (D) A baby sheep is called lamb.
27. (B) Well is the under ground source of water.
28. (D) We get wood, paper and spices from plants.
29. (B) X in the given figure is called orbit.
30. (D) Hen - Eggs  
 Silkworm - Silk  
 Bee - Honey  
 Sheep - Wool  
 Cow - Milk

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|---|---|
| 31. (D) Stilt are houses found in the areas with heavy rains.   | 41. (B) Leaves of touch-me-not plant close when you touch them. This shows that plants can feel.                          |
| 32. (B) The pattern of its stripes are different in different tigers. No two tigers have same pattern of its stripes. | 42. (D) Squirrels, rats and rabbits bite their food in small bits with their front teeth. These are called gnawing teeth. |
| 33. (B) The imaginary line around which the Earth spins is called its axis.   | 43. (A) A shadow is caused when light being blocked by an object.   |
| 34. (C) The moon is a crescent moon.  | 44. (C) Grapevine is an example of climber.   |
| 35. (C) Potato is a stem part of the plant. If the part of the potato with an eye is sown it grows into new plants.   | 45. (A) We get paper from bamboo plant.   |
| 36. (B) Fish breathe through their gills.   | 46. (C) Clothes made of wool keep us warm during winter.  |
| 37. (D) Root absorbs water and mineral salts from the soil.   | 47. (B) We can see the planets and stars at night with the help of a telescope.   |
| 38. (B) Plants do not move in search of food because they can prepare their own food.                                 | 48. (C) When we are eating carrots, we are actually eating the roots of carrot.   |
| 39. (A) Never touch electrical appliances if your hands are wet.  | 49. (A) Smoke makes air dirty.  |
| 40. (A) A house made of brick, cement and steel is called a pucca house.  | 50. (D) Burger is a junk food.  |

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**THE END**

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