



UNIFIED COUNCIL

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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 3

Question Paper Code : UN460

KEY

1. A	2. D	3. B	4. A	5. C	6. C	7. C	8. D	9. D	10. B
11. A	12. D	13. D	14. A	15. A	16. C	17. D	18. B	19. C	20. B
21. B	22. C	23. C	24. C	25. D	26. A	27. C	28. D	29. B	30. D
31. B	32. C	33. C	34. B	35. C	36. D	37. C	38. A	39. B	40. B
41. D	42. A	43. A	44. A	45. A	46. C	47. D	48. B	49. A	50. C
51. C	52. C	53. A	54. D	55. B	56. D	57. C	58. A	59. C	60. D

SOLUTIONS

MATHEMATICS

1: (A) $960 \div 4 = 240$, i.e, 24 tens

2: (D) $3 \times 8 + 4 \times 3 = \boxed{?} \times 3 + 3 + 3$

$$24 + 12 = \underline{\quad} \times 3 + 6$$

$$36 = 10 \times 3 + 6$$

$$\Rightarrow 36 = 36$$

3: (B) $4000 - 4 = 3996$

4: (A) Tom's age = $[(24 - 6) \div 2] + 6$
 $= 9 + 6 = 15$

5: (C) $\text{₹ } 10 \times 3 = 30$

6: (C) $\frac{2}{12} + \frac{5}{12} = \frac{2+5}{12} = \frac{7}{12}$

7: (C) $200 \text{ g} \times 5 = 1000 \text{ g}$
Amount received = 2×10
 $= \text{₹ } 20$

8: (D) $4 \text{ km } 24 \text{ m} = 4000 \text{ m } 24 \text{ m}$
 $= 4024 \text{ m}$

9: (D) $21 \div 9 = 2 \text{ R } 3$
 $36 \div 9 = 4 \text{ R } 0$
 $47 \div 9 = 5 \text{ R } 2$
 $49 \div 9 = 5 \text{ R } 4$

- 10: (B) $2(3 \text{ pears}) + 6 \text{ pears cost} = ₹ 12$
 12 pears cost = ₹ 12
 Cost of 1 pear = $\frac{12}{12} = ₹ 1$
 Cost one watermelon = ₹ 3
 Cost of 5 watermelons = ₹ $3 \times 5 = ₹ 15$
- 11: (A) $12 \div 2 = 6 \text{ l (half tank)}$
 $1 \times 6 = 6 \text{ l}$
 Hence 6 cups are required.
- 12: (D) $7 \times 7 \times 7 = 343$
 $\boxed{?} = 343 + 77 = 420$
- 13: (D) All the numbers when divided by 3 leave a remainder 2
- 14: (A) Half the circle is a semicircle.
- 15: (A) 9 groups of 8 = $9 \times 8 = 72$
 $72 - 24 = 48$
 $48 - 32 = 16$
- 16: (C) 1 unit $\rightarrow 105$
 3 units $\rightarrow 105 \times 3 = 315$
- 17: (D) 2 triangles make a square.
 Hence, total number of triangles $\rightarrow 10$
 Number of unshaded triangles $\rightarrow 6$
 Fraction of figure that is not shaded \rightarrow
 $\frac{6}{10}$
- 18: (B) $\frac{1}{3} \times 9 + \frac{1}{3} + \frac{1}{3} = \frac{1}{3} \times 9 + 2 \times \frac{1}{3}$
 $= 11 \times \frac{1}{3}$
- 19: (C) Option (A) $\frac{1 \times 5}{2 \times 5} = \frac{5}{10}$
 Option (B) $\frac{3 \times 2}{5 \times 2} = \frac{6}{10}$
 Option (C) $\frac{4 \times 2}{5 \times 2} = \frac{8}{10}$
 Option (D) $\frac{6}{12}$

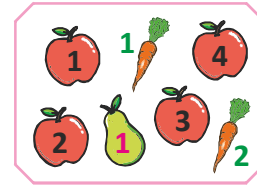
- 20: (B) 589 \rightarrow Five hundred Eighty Nine
- 21: (B) $587 + 249 = 836$
 836 lies between 800 and 900.
- 22: (C) $18 \div 3 = 6$ blocks
 Among options only option (C) has 6 blocks.
- 23: (C) Since the last day of the month is Tuesday, then next day will be wednesday.
- 24: (C) $301 \div 12 = 25 \text{ R } 1$
 i.e., 25 years and 1 month
- 25: (D) $30 + 50 = 80 \text{ m}$

SCIENCE

- 26: (A) The beak is used to suck nectar from flowers.
- 27: (C) Solids have definite shape and volume.
- 28: (D) Cabbage and spinach are leaf parts of the plants that are eaten as vegetables.
- 29: (B) Rabbit that eats carrot is a herbivore.
- 30: (D) The rate of evaporation of water is in more in vessel "D", because the rate of evaporation of water increases with an increase in exposed surface area.
- 31: (B) The spring scale is used to measure the rocks weight.
- 32: (C) Flippers are used to swim.
- 33: (C) To avoid accidents we should not leave toys on the floor.
- 34: (B) The sequence shown in this diagram represents a food chain.
- 35: (C) Rotation of earth causes day and night.
- 36: (D) Windy, cloudy, rainy and cold are words that describe weather.
- 37: (C) Rat is a gnawing animal.
- 38: (A) Trees release oxygen.
- 39: (B) Object 3 is green round with rough surface.
- 40: (B) Frozen water is called ice.
- 41: (D) A gas changing to liquid is called condensation.

42. (A) Bird is the only animal with feathers.
43. (A) Hen is a scratching bird.
44. (A) Lamina, midrib, apex, side veins, and stalk are all parts of a stem.
45. (A) Weight can be measured using common balance.
46. (C) The instrument shown is stethoscope.
47. (D) Length is measured in centimeter.
48. (B) Steam or water vapour is in gaseous state.
49. (A) Heart pumps blood in our body.
50. (C) Green bean seedling get its food from seed leaves or cotyledons.
51. (C) A red cross symbol denotes first aid.
52. (C) Earth is the 3rd planet from sun.
53. (A) Roots absorb water and nutrients from the soil.
54. (D) The sun is at the centre of solar system, It is bigger than earth. and it is far away from earth. The earth moves round the sun.
55. (B) The beak of the duck helps to scoop up small fish for food.

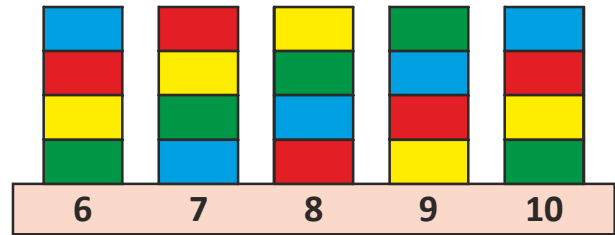
CRITICAL THINKING



56: (D)

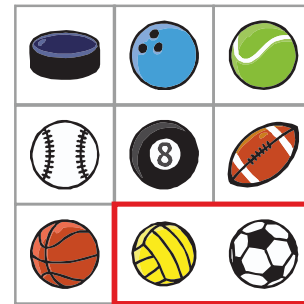
57: (C)

Each time the topmost colour move to bottom and remaining colours move one step upward.



58: (A) $17 - 9 = 8 / 2 \Rightarrow 4$;

Tanish give 4 sweets to mahesh so, that each boy has same number of sweets.



59: (C)

60: (D)

- Jaanu's birth month starts with A: Therefore April or August
- Jaanu's birth month is of 5 letters: from above it is April

From given options only April 12 satisfies the conditions that Jaanu be born on an even date and the dates are between 10th to 20th.

Therefore April 12 is the answer.

THE END