



# UNIFIED COUNCIL

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## NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 3

Question Paper Code : UN444

### KEY

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

### SOLUTIONS

#### MATHEMATICS

1. (D)  $\frac{18}{24} = \frac{3}{4}$

2. (C)  $AB = 11 \text{ cm} - 5 \text{ cm} = 6 \text{ cm}$  &  $CD = 9 \text{ cm} - 2 \text{ cm} = 7 \text{ cm}$   
 $AB + CD = 6 \text{ m} + 7 \text{ cm} = 13 \text{ cm}$

3. (C) Red cars =  $873 + 289 = 1162$   
Total cars =  $1162 + 873 + 1317 = 3352$

4. (B) Remaining part =  $1 - \frac{4}{6} = \frac{6-4}{6} = \frac{2}{6}$

5. (D) 'D' Option shaded 4 out of 8

6. (C)  $\frac{756}{8} = 94.5$  lies between 80 and 100.

7. (B) Option 'B' is not symmetric about dashed line

8. (C)  $390 - 14 - 244$

9. (C) 9





10. (C)  $(6 \times 3) + (3 \times 3)$

11. (C)  $4 : 05 - 3 : 25 = 40 \text{ minutes}$

12. (A) A cylinder has 3 faces

13. (A)  $63 \div 3 = 21$

14. (D)  $40,000 = 400 \times 100$

15. (B)  $803 - 361 = 442$
16. (D)  $₹ 40 - ₹ 6.5 - ₹ 11 - ₹ 14.50 - ₹ 8 = ₹ 0$
17. (D)   $= 4521 - 1000 = 3521$   
 $1967 +$    $= 3521$   
 $= 3521 - 1967 = 1554$   
 $$    $+$    $= 3521 + 1554 = 5075$
18. (A) eighty thousand six hundred and three
19. (D)  $\frac{2}{3}$  of 12 = 8  
 $\therefore 8 - 2 = 6$  to be shaded
20. (B) 8 minutes 5 seconds – 1 minutes 28 seconds = 6 min 37 min
21. (D)  $₹ 8 \times 5 + ₹ 3 = ₹ 43$
22. (A) There are 3 girls in 5 members
23. (D)  $₹ 10 - ₹ 1.3 \times 6 = ₹ 10 - ₹ 7.80 = ₹ 2.20$
24. (B)  $A = \left(\frac{360}{6}\right) \div 5 = \frac{120}{5} = 24$   
 $B = \left(\frac{360}{5}\right) \div 4 = \frac{72}{4} = 18$   
 $A + B = 24 + 18 = 42$
25. (B)  $15 \times ₹ 2 = ₹ 30$

### GENERAL SCIENCE

26. (D) An earthworm is a living thing.
27. (B) Quartz is a mineral used in watches.
28. (D) Animals depend upon other organisms for their food.
29. (B) Eagle tears its food with strong and curved beak.
30. (A) Leaves make food for the plant.
31. (A) Ostrich is the fastest running bird.
32. (C) Stethoscope used to hear heart beat.
33. (A) Snow is the solid form of water.
34. (C) Places with heavy rainfall should have slanting roofs.
35. (B) Clayey soils can hold a lot of water because, clay is made of tiny particles.
36. (A) Oxygen is required by our body.
37. (C) Water exists in three states (1) Solid, (2) Liquid and (3) gaseous stages.
38. (C) The chlorophyll pigment of a leaf absorbs sunlight to help in synthesising of food.
39. (A) The sun is a star.
40. (D) Fungi and crab depends upon other organisms for their food.
41. (A) The root system in mango tree is taproot system.
42. (A) Flower is the reproductive part of the plant.
43. (B) A butterfly sucks nectar from the flowers with the help of its proboscis.
44. (B) Claws like talons are found in eagles.
45. (D) Photosynthesis takes place in the presence of chlorophyll, sunlight, water and carbon dioxide.
46. (A) In the flight of a bird during a downstroke the wings move downwards.
47. (D) If the frog population is increased due to the decrease in no. of predators like snake. The no. of grasshopper population decreases.
48. (A) Lungs help in exchange of gases and it helps in the removal of carbon dioxide.
49. (A) Fox is a carnivore has long, sharp & pointed teeth that are also called 'carnivels'.
50. (D) Minerals, rock and soil are natural parts of the soil.
51. (B) Koel lays its eggs in crow's nest.
52. (B) To obtain water from water vapour, we should condense it.
53. (B) The main purpose of flowers is to produce seeds.
54. (D) Duck is an aquatic bird. It has special oil glands that make its feathers waterproof.
55. (C) Photosynthesis is preparation of food in leaves.

**CRITICAL THINKING**

56. (A) SIT

57. (A) By comparison,

1 Pear → 2 Oranges

1 Orange → 4 Strawberries

2 Oranges → 8 Strawberries

1 Pear →  
Strawberries

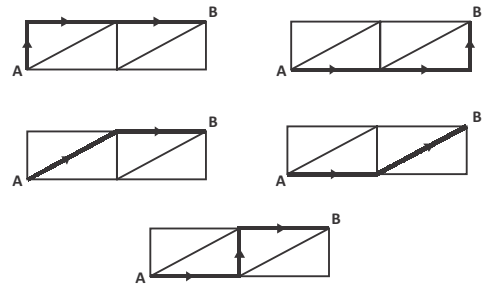
58. (C) Peter needs to saw the plank of wood three times.



$$3 \times 5 \text{ min} = 15 \text{ min}$$

Peter will take 15 minutes to saw a plank of wood of the same length up four pieces.

59. (D)



The spider can return to point B in 5.

60. (C)  $22 - 15 + 1 = 8^{\text{th}}$

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**THE END**

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