



# UNIFIED COUNCIL

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## SLSTSE

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### STATE LEVEL SCIENCE TALENT SEARCH EXAMINATION

CLASS - 3

Question Paper Code : **US757**

#### KEY

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

#### SOLUTIONS

##### MATHEMATICS

1. (D)

Th	H	T	O
2	7	0	5

2. (A)  $10,000 + 4,000 + 900 + 80 + 7$

3. (C)

8	?	6	1
6	8	2	9
+	?	3	6
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1	5	7	2
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$1 + 8 + 2 \text{ ?} = 17$

as  $8 + 6 + \text{①} = 15$

So,  $2 \text{ ?} = 8$  which means each  $\text{?} = 4$

Therefore, the missing number is 4

4. (D)  $3500 - 3,462 = 38$

5. (B) Since  $3 \times 7 = 21$ , and

$523 \times 7 = 3661$ , the missing digit is 3

6. (B)  $9 \div 3 \neq 3 \div 9$

7. (D)  $695 + 5 = 700$  and  $700 \div 10 = 70$

8. (B) In  $\frac{4}{12}$ , the denominator is 12 which is thrice the numerator 4, and the sum of the numerator and denominator is  $4 + 12 = 16$

9. (A)  $\frac{10}{12} = \frac{15}{18} = \frac{20}{24} = \frac{25}{30} = \frac{5}{6}$

10. **(D)** The mass of 4 tomatoes = 2 kg  
 $\therefore$  The mass of 1 tomato = 500 g  
 Hence, the mass of 20 tomatoes  
 $= 500 \text{ g} \times 20 = 10,000 \text{ g} = 10 \text{ kg}$
11. **(B)** 1 Km = 1,000 m
12. **(A)**  $3 \times ₹75 + 4 \times ₹100 + ₹345 = ₹225 + ₹400 + ₹345 = ₹970$
13. **(D)**  $₹ 20 + ₹ 20 + ₹ 10 + ₹ 10 = ₹ 60$
14. **(A)** 1 hour = 60 minutes  
 $\therefore$  4 hours 45 minutes  
 $= (4 \times 60 + 45) \text{ minutes}$   
 $= (240 + 45) \text{ minutes} = 285 \text{ minutes}$
15. **(A)** Today  $\rightarrow$  Thursday  
 Yesterday  $\rightarrow$  Wednesday  
 Day before yesterday  $\rightarrow$  Tuesday
16. **(B)** 3 mt 2 cm is the shortest among the given options
17. **(B)** A coke tin is an example of a cylinder
18. **(B)** A cube has 8 vertices
19. **(A)** If Avinash had not bought any sweets, he would have saved the amount he spent on sweets, which is ₹ 35  
 $\therefore$  Total saving = ₹ 25 + ₹ 35 = ₹ 60
20. **(C)** One fish more
21. **(D)** Since  $24 = 4 \times 3 \times 2 \times 1$ , hence equivalent value  $24 \times 23 \times 22 \dots 7 \times 6 \times 5$
22. **(A)** 6 cm
23. **(D)** Subtract 10 from 11, 20 from 22, ..., 80 from 88;  $10 + 20 + \dots + 80 = 360$
24. **(B)**  $12168 + 25235 = 37403$
25. **(A)** No. of chairs in each row = 240  
 No. of rows of chairs = 170  
 $\therefore$  Total no. of chairs =  $240 \times 170 = 40800$   
 $\therefore$  40800 persons can be seated in the auditorium

## GENERAL SCIENCE

26. **(B)** Earthworms are called 'farmers' friends'. Earthworms dig tunnels in the soil and live in them. While doing this, they turn and loosen the soil.
27. **(D)** Animals such as cockroach, grasshopper, and butterfly have special body parts called antennae that help them to feel changes around them.
28. **(A)** The process by which a seed grows into a new plant is called germination.
29. **(C)** The given figure shows the life cycle of plant.
30. **(D)** A hummingbird can flap its wings 90 times in just 1 second.
31. **(C)** Lungs are the parts of the respiratory system.
32. **(A)** Litres is the unit used to measure liquids.
33. **(B)** Earth is the third planet of the solar system.
34. **(A)** The fibres we get from plants or animals are called natural fibres.
35. **(A)** Soil is formed due to breaking down of rocks.
36. **(A)** Carrot is a root.
37. **(A)** Rotation of the earth causes day and night.
38. **(D)** We can get hurt by pushing each other while playing.
39. **(D)** We can keep our house clean by throwing household waste in the dustbin.
40. **(A)** Humus is formed by the decomposition of dead small organisms, dried leaves and twigs.
41. **(C)** Ice is a solid form of water.
42. **(B)** Roots of plants help plants stay fixed to the ground.
43. **(B)** Bee is a living thing.
44. **(A)** Digestive system helps in the digestion of food.
45. **(D)** Length is measured by using a tape.
46. **(D)** A good house is not full of germs.
47. **(B)** Rotation of the earth causes day and night.

48. **(A)** Rose plant is a shrub.
49. **(B)** The shade of a tree is actually its shadow.
50. **(B)** Jam, juice, sauce and squash are made from plant parts.
51. **(B)** Radish – root  
Sugarcane – stem  
Cabbage – leaves  
Rice – seeds
52. **(B)** Plants breathe through stomata.
53. **(A)** Dung is the animal waste that are mixed with soil to help plants grow well.
54. **(B)** Antiseptic cream is used to heal cuts and wounds.
55. **(C)** Potato is the stem tuber.

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**THE END**

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