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SLSTSE

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STATE LEVEL SCIENCE TALENT SEARCH EXAMINATION

CLASS - 2

Question Paper Code : US757

KEY

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

SOLUTIONS

MATHEMATICS

- (B)** The given numbers are all between 10 and 100
- (D)** $79 = 7 \times 10 + 9 \times 1 = 70 + 9$
- (C)** $25 + 5 = 30$
- (A)** 10 more than 473 is $473 + 10 = 483$ and not 463
- (D)** $A + B = 190 + 50 = 240$
 $C + D + E = 70 + 80 + 90 = 240$
So, $A = 190$
- (C)** $P = 425 + 42 = 467$
 $Q = 698 - 265 = 433$
 $R = 80 + 48 + 231 = 359$
 $S = 512 - 82 = 430$
 $359 < 430 < 433 < 467$

- (A)** $400 \text{ g} - 150 \text{ g} = 250 \text{ g}$
- (D)** $9 \times 5 = 45$ and $10 \times 10 = 100$
Similarly, $8 \times \boxed{3} = 24$
 \therefore The required missing number is 3
- (C)** 5×3
- (D)** $6 \times 8 = 48$ and $4 \times 4 = 16$
So, $48 > 16$ is correct
 $\therefore 6 \times 8 \boxed{>} 4 \times 4$ is correct
- (A)** $2 \boxed{} = 3 \boxed{}$
 $4 \boxed{} = 6 \boxed{}$
- (A)** $84 \div 4 = 21$
- (A)** Each $\boxed{}$ stands for 3 kg.
Then $6 \text{ Os} = 4 \boxed{} = 4 \times 3 \text{ kg}$
 $= 12 \text{ kg}$

∴ Each O stands for $12 \div 6$

$$= 2 \text{ kg}$$

The mass of box Q

$$= 2 \times \square + 3 \times O$$

$$= 2 \times 3 + 3 \times 2 = 6 + 6$$

$$= 12 \text{ kg}$$

14. (C) $\square A = 10$ apples

Given, $\square A = \square B \square B$

So, $\square B = 10 \div 2 = 5$ apples

15. (C) Total parts = 16

16 parts represent 20 units

Shaded parts = 8

So, 8 parts represent 10 units

16. (B) 4 triangles out of 16 triangles must be shaded to show $\frac{1}{4}$

17. (D) Mass of a packet of French fries + 4×20 g masses = mass of 3 packets of French fries

So, mass of 2 packets = 80 g

∴ Mass of a packet of French fries
 $= 80 \text{ g} \div 2 = 40 \text{ g}$

18. (D) Difference of circles = 4

19. (C) The present time = 9: 30 p.m. Manasa wants to light crackers till 10: 00 p.m

So, crackers can be lighted for
 $10: 00 - 9: 30 = 30$ minutes more

20. (B) 2016 was a leap year. So, February 2016 had 29 days

21. (A) 30 minutes slower than 6 : 00 is 5: 30 which is shown by the clock in option (A)


22. (B) Cost of 3 napkins = ₹ 5

∴ Cost of 12 napkins = ₹ 5×4

$$= ₹ 20$$

23. (A) $4 \times ₹ 10 + 3 \times ₹ 4 = ₹ 40 + ₹ 12$
 $= ₹ 52$

24. (C) $4 \times 4 = 16$

 = 4

$$36 \div 4 = 9$$

25. (C) 60 is multiple of 1, 2, 3, 4, 5

GENERAL SCIENCE

26. (D) Snake swallows its food as a whole.
27. (D) Green light – go
Red light – stop
Orange light – wait and go.
28. (D) A house protects us from heat, cold and rain.
29. (D) Pencil is not found in a first-aid box.
30. (D) Stem helps to transport water and food to all parts of the plant, keeps the plant upright and straight and bears fruits and flowers.
31. (D) Chair is a non-living thing that does not reproduce.
32. (C) Pelican is a wading bird.
33. (A) Bones is not a part of the human digestive system.
34. (A) Squirrel are omnivores.
35. (B) The sun heats up water from rivers and lakes.
36. (A) Based on their eating habits, goats are herbivores.
37. (D) Cotton light coloured and linen clothes keep is cool in summer.
38. (A) The given figure show germination.
39. (A) We should not play on the road.
40. (B) Time is measured using a clock.
41. (D) Heart pumps blood.
42. (D) We can get hurt by getting off and on a moving bus.
43. (C) Soil is not a living thing.
44. (A) Rotation is the spinning movement of the earth about its axis.
45. (C) Cow is the chews cud.
46. (C) First aid is given to an injured person.
47. (B) Respiratory system helps us breathe.
48. (C) The shape of the moon seems to change every night. The different shapes of the moon are called phases of the moon.
49. (A) Sunlight and dustbins helps to keep the house clean.
50. (A) A boy crossing the road at zebra crossing shows the boy following safety rule.