



## NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

**CLASS - 2**

**Question Paper Code : UN497**

### KEY

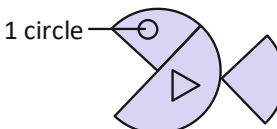
1. C	2. A	3. A	4. B	5. C	6. D	7. C	8. A	9. B	10. B
11. D	12. D	13. D	14. B	15. A	16. B	17. C	18. B	19. C	20. C
21. D	22. B	23. B	24. A	25. D	26. D	27. C	28. C	29. D	30. B
31. B	32. C	33. D	34. A	35. B	36. B	37. D	38. C	39. C	40. A
41. B	42. C	43. B	44. A	45. D	46. C	47. D	48. B	49. B	50. D

### SOLUTIONS

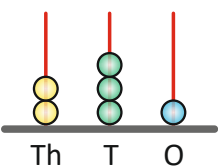
#### MATHEMATICS

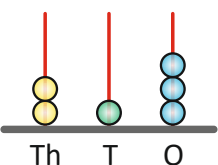
01. (C) Option (A) :  $500 + 20 + 8 = 528$  (✓)  
Option (B) :  $500 + 10 + 18 = 528$  (✓)  
Option (C) :  $500 + 200 + 8 = 708$  (✗)  
Option (D) :  $400 + 120 + 8 = 528$  (✓)
02. (A)  $4 + 9 + 2 = 15$                        $9 + 7 + 1 = 17$   
 $4 + 7 + 1 = 12$                                $4 + 9 + 1 = 14$   
 $9 + 9 + 1 = 19$                                $9 + 9 + 2 = 20$
03. (A) Number of letters in alphabet is 26 (Even)  
The basket ball score point is 57 (Odd)
04. (B)  $95 - 20 = 75$   
 $75 - 10 = 65$
05. (C)  $32 \div 4 = 8$  ;  $2 \times 12 = 24$   
 $8 \times 4 = 32$  ;  $56 \div 7 = 8$

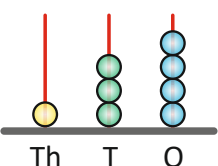
06. (D)  $1 + 2 + 3 + 4 = 10$   
 $2 \times 5 = 10$
07. (C) Car =  $40 \text{ cm} \div 2 = 20 \text{ cm}$   
 $20 \text{ cm} + 30 \text{ cm} = 50 \text{ cm}$
08. (A) Container 1 = 3 litres  
Container 2 = 5 litres  
Container 3 = 3 litres  
Total  $3 + 5 + 3 = 11$  litres
09. (B) Option (B) clock shows the time 5 : 15

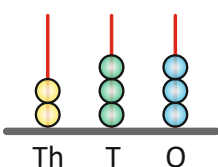
10. (B)
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11. (D) Number of girls =  $692 - 398 = 294$   
 Number of fewer girls than boys  
 $= 398 - 294 = 104$

12. (D) Option (A) :  = 231

Option (B) :  = 213

Option (C) :  = 134

Option (D) :  = 233

13. (D) Option (A) :  $25 + 24 = 49$   
 Option (B) :  $30 + 15 = 45$   
 Option (C) :  $22 + 28 = 50$   
 Option (D) :  $18 + 33 = 51$
14. (B)  $6 \times 2 = 12$   
 $3 \times 4 = 12$
15. (A)  $635 - 235 = 400 = 40 \text{ tens}$   
 $4 \text{ tens} = 40 < 400$
16. (B)  $75 \div 3 = 25$   
 $5 \times 5 = 25$
17. (C) The number of circles = 8  
 The number of triangles = 5  
 The number of rectangles = 1
18. (B) The minute hand should point to 6 to show 30 minutes.
19. (C) Mass of Avinash = 50 kg  
 Mass of Madhu =  $(50 - 4) \text{ kg} = 46 \text{ kg}$   
 Mass of Balaji =  $(50 + 5) \text{ kg} = 55 \text{ kg}$   
 $\therefore$  Their total mass =  $(46 + 50 + 55) \text{ kg}$   
 $= 151 \text{ kg}$

20. (C) 3 oranges = ₹ 2  
 $30 + 30 + 30 = 9$   
 9 oranges = ₹ 2 + ₹ 2 + ₹ 2  
 $= ₹ 6$

### GENERAL SCIENCE

21. (D) Bones and muscles helps us to run, walk and swim.
22. (B) Light helps us to see things. We cannot see in the dark.
23. (B) Fruits are protective food.
24. (A) In the given figure P is nose, Q is neck and R is leg. Leg helps us to jump not clap. Clapping is done by hands.
25. (D) A house made of mud, straw and bamboo sticks.
26. (D) The place where two or more bones join together is called a joint.
27. (C) The seed of a mango is important because it help the mango plant to produce new plants.
28. (C) The kite flies with the help of air. It proves that air moves things.
29. (D) We get milk from cow, goat and buffalo.
30. (B) Pea plant is a climber.
31. (B) Air occupies space.
32. (C) Moon reflects the light from the Sun. Moon changes its shape every night.
33. (D) House keeps us safe from rain and heat.
34. (A)  $a \rightarrow 2$  ;  $b \rightarrow 1$  ;  $c \rightarrow 4$  ;  $d \rightarrow 3$
35. (B) While walking on a busy road, we should walk on the footpath. We should never walk in the middle of the road, behind big vehicles or behind small vehicles. It can cause accidents.
36. (B) A shadow is always formed on the opposite side of light source. In the given picture, the shadow of the tree is formed in the West direction, hence the light source, i.e., Sun must be in the East direction. The Sun rises in the East, hence it is morning time.

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| <p>37. (D) Nervous system controls all other body systems and sense organs.</p> <p>38. (C) Rubber is used to make tyres.</p> <p>39. (C) Domestic animals depends on human for food and shelter etc.</p> <p>40. (A) Egg comes from hen.</p> <p>41. (B) Hair of sheep</p> <p>42. (C) There are 206 bones in human body.</p> <p>43. (B) Turmeric is a spice used as a medicine.</p> <p>44. (A) Clothes dry the fastest in summer when the temperature is the highest.</p> <p>45. (D) All the given options can be eaten without cooking.</p> | <p>46. (C) Sheep is a domestic animal. Its young one is called kid. It gives us wool.</p> <p>47. (D) The weather depends on the sun, the wind and the rains.</p> <p>48. (B) Rain and dew are liquid states of water while water vapour is a gaseous state of water and snow is the solid state of water.</p> <p>49. (B) Sparrow is a bird. Only birds live in nest. Snake, lizard and hamster are not birds.</p> <p>50. (D) Speed breaker ahead.</p> |
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===== *The End* =====