



NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION (UPDATED)

CLASS - 2

Question Paper Code : 1P114

KEY

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

SOLUTIONS

MATHEMATICS

01. (B) Ritu and Laura sold apples
 $= 5 + 5 = 10$ apples
 Before selling total apples
 $= (36 + 10) = 46$ apples
 $46 \div 2 = 23$ apples
 Ritu should have 6 apples less than Laura
 Laura = $23 + 3 = 26$
 Ritu = $23 - 3 = 20$
 Now subtract sold apples
 Ritu = $20 - 5 = 15$

02. (C)

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40

03. (D)



04. (A) 1 dozen = 12
 $3 \times 3 = 9$
 $12 - 9 = 3$

05. (D) $\boxed{64}$ $\boxed{235}$

$$6 + 4 = 10$$

$$2 + 3 + 5 = 10$$

06. (C) 1 pencil = 3 erasers

$$5 \text{ pencil} = 5 \times 3 \text{ erasers} = 15 \text{ erasers}$$

07. (B) $8 \times 5 = 40$, $10 \times 4 = 40$

$$\Rightarrow 8 \times 5 = 10 \times 4$$

$$6 \times 8 = 48 ; 4 \times 4 = 16$$

$$\Rightarrow 6 \times 8 > 4 \times 4$$

$$7 \times 3 = 21, 2 \times 5 = 10$$

$$\Rightarrow 7 \times 3 > 2 \times 5$$

$$4 \times 6 = 24, 3 \times 9 = 37$$

$$\Rightarrow 4 \times 6 < 3 \times 9$$

Hence, the correct answer is $6 \times 8 > 4 \times 4$

08. (B)  = 100g

$$\text{key} = \frac{100\text{g}}{2} = 50\text{g}$$

09. (A) 2 teapots = 4 glasses

$$1 \text{ teapot} = 2 \text{ glasses}$$

10. (A) May 1 – Monday \rightarrow May 5 is 4 days later = Friday.

11. (D) $\bigcirc \rightarrow 8 \begin{cases} D \rightarrow 5 \\ W \rightarrow 3 \end{cases}$

$$\square \rightarrow 6 \begin{cases} D \rightarrow 2 \\ W \rightarrow 4 \end{cases}$$

12. (B) Find the number of girls:

$$\text{Girls} = 468 - (293 + 113)$$

$$= 468 - 406 = 62$$

$$\text{Compare girls and boys:}$$

$$\text{Fewer girls than boys} = 113 - 62 = 51$$

13. (B)  = $14 \div 7 = 2$

14. (B) The time in the clock is 12 : 25 which is 10 minutes slow. The actual time is 12 : 35

15. (C)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ \boxed{4} \ 5 \ 6 \\ + \ \boxed{1} \ \boxed{4} \ 9 \\ \hline 6 \ 0 \ 5 \end{array} \quad (\text{or}) \quad \begin{array}{r} \textcircled{1} \textcircled{1} \\ \boxed{1} \ 5 \ 6 \\ \boxed{4} \ \boxed{4} \ 9 \\ \hline 6 \ 0 \ 5 \end{array}$$

The digit that repeats twice in the box is 4.

16. (C) 0 tens 10 ones = $0 + (10 \times 1)$
= 10

$$1 \text{ ten } 10 \text{ ones} = (1 \times 10) + (10 \times 1)$$

$$= 10 + 10$$

$$= 20$$

$$10 \text{ tens } 0 \text{ ones} = (10 \times 10) + 0$$

$$= 100$$

$$100 \text{ tens } 0 \text{ ones} = (100 \times 10) + 0$$

$$= 1000$$

$$\therefore 10 \text{ tens } 0 \text{ ones is equal to 1 hundred.}$$

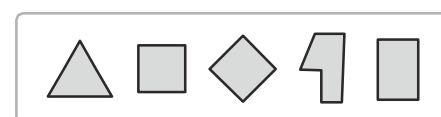
17. (A) 2's : 14, 16, 18, 20, 22, 24, 26, 28, 30

$$3\text{'s} : 14, 17, 20, 23, 26, 29, 32$$

$$5\text{'s} : 14, 19, 24, 29, 34, 39$$

Among the option 21 is not in any of these pattern.

18. (B) The shapes are made up of only straight lines.



19. (D) $3 \times 4 = 12$

$$2 \times 4 = 8$$

$$\Rightarrow 12 \text{ is 4 more than } 8$$

$$\therefore 3 \times 4 \text{ is 4 more than } 2 \times 4.$$

20. (C) $P + R = S$

$$122 + 251 = 373$$

GENERAL SCIENCE

21. (D) Potato and ginger are the stem part that grows under the ground.
22. (C) Carrot is a root part of the plant, Potato is a underground stem.
23. (D) Ram should exercise daily and eat healthy food.
24. (C) Brain is the store house of knowledge.
25. (D) Lion is a flesh eating animal. It kills other animals for food.
26. (D) Heart beats faster when you are running.
27. (B) Vultures eat flesh of dead animals.
28. (B) We should not play with screwdriver, knife and scissors.
29. (B) Coriander, Hibiscus, Grapevine
 - Herbs are small, soft-stemmed plants (e.g., Coriander).
 - Shrubs are medium-sized, woody plants (e.g., Hibiscus).
 - Climbers need support to grow (e.g., Grapevine).
30. (C) She was checking the expiry date of the medicine.
31. (A) Bear is an omnivore that eat both plants and animals.
32. (D) Cotton shirt can be obtained from cotton plant, jute bag is obtained from jute plant and chair is made up of wood which is obtained from a woody plant.
33. (C) Farmers use ox in fields to plough the soil. Sheep and goat give us wool. Goat also gives us milk. Hen is used for obtaining meat and eggs.



34. (B)
35. (B) Road signs in options (A), (B), (C) and (D) represent pedestrian crossing, men at work, school ahead and hospital ahead respectively.
36. (A) The characteristics of the shadow are it is black and is of the same shape as the object.

37. (B) The correct option is Multistoreyed apartment, mobile house-caravan, semicircular roofs-igloo, sloping roofs-houses in the hills.
38. (A) Heart is an internal organ of the body that pumps blood to different body parts.
39. (D) Pumice is a light colored, extremely porous rock that forms during explosive volcanic eruptions. Due to its high porosity, it can float on water until it slowly becomes waterlogged. Chalk is a soft, white, porous rock. It wears away easily when rubbed, so it is used to write on blackboard.
40. (A) Picture in option (A) shows the correct posture.
41. (B) Soybean, rice and chapati are obtained from plant sources while honey, egg, curd and chicken are obtained from animal sources. Salt is obtained neither from plants nor from animals. It is obtained from sea water.
42. (B) The plant is responding to light, showing it can sense and react to its environment.
43. (B) Flowers attract insects for pollination (ii) and develop into fruits containing seeds (iv), which helps plants reproduce.
44. (B) It burns to release heat for cooking and power

Coal is a fossil fuel that burns to produce heat, making it useful for cooking, generating electricity, and powering machines.
45. (B) Fish, crocodile, and snake all have bodies covered with scales
46. (B) The animal shown is a sheep, and wool is obtained from sheep
47. (B) Loose clothes and covered heads reduce heat absorption and protect the body from the hot sun.
48. (C) Walk facing oncoming cars to see them and stay safe.
49. (C) Rocks are found in different textures.
50. (D) Dew forms when warm, moist air touches cool grass at night.