



School Level Examination
SLE 2024

SET:

I

GRADE
6

SCIENCE

Subject Code:

3	0	1
---	---	---

Total Questions: 40

Total Marks: 40

Time: 1 hour

DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- All questions are compulsory.
- Read the instructions on the **ANSWER SHEET** and fill in your **NAME, CLASS** and **OTHER INFORMATION**.
- To mark your choice of answer by darkening the circles in the **ANSWER SHEET**, use a **BLUE/BLACK BALL-POINT PEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **40 MULTIPLE CHOICE QUESTIONS**. Each question carries one mark. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** darken the circle that matches your answer.
- Marks are **NOT** deducted for incorrect answers.
- Return the **ANSWER SHEET** to the invigilator at the end of the examination.
- You are **NOT** allowed to use a calculator. You may use a ruler and spare paper for rough work.

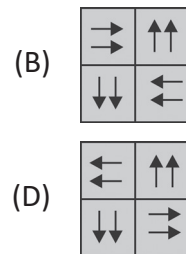
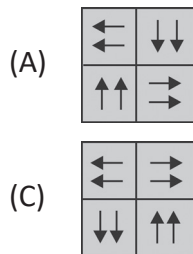
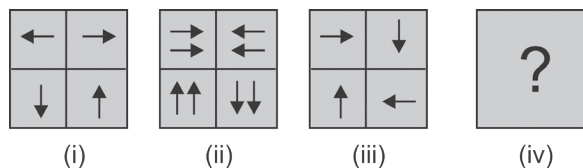
This question paper contains a total of 40 questions divided into three sections—A, B and C.

Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

- Kush and Khushi play a two-person game in which the winner gains 2 points and the loser loses 1 point. If Kush won exactly 3 games and Khushi had a final score of 5 points, how many games did they play?

(A) 7 (B) 9
(C) 8 (D) 6
- There is a definite relationship between figures (i) and (ii). Establish the same relationship between figures (iii) and (iv) by selecting a suitable figure from the options that would replace (?) in figure (iv).



- Rohan walks 5 km towards the south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. What direction is he facing right now?

(A) West (B) South
(C) South-West (D) North-East
- If Monday falls on the second of a month, then which day will fall two days after 10th?

(A) Tuesday (B) Thursday
(C) Friday (D) Sunday
- Sonam told Raghav, "The girl I met yesterday at the pool was the youngest daughter of the brother-in-law of my friend's mother." How is the girl related to Sonam's friend?

(A) Cousin (B) Aunt
(C) Friend (D) Daughter
- If BEAR is coded as EHDU, then in the same way ELEPHANT is coded as _____.

(A) HHOSKDQW (B) QDHSKOHW
(C) HOHSKDQW (D) HOHSKDHO

7. What is the next number of the pattern?

97345, 97645, 97945, 98245, ?

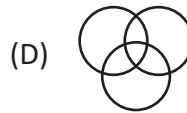
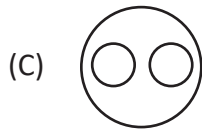
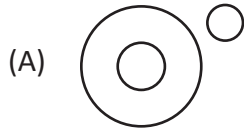
(A) 98545

(B) 98445

(C) 98345

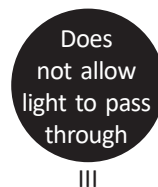
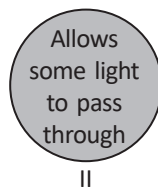
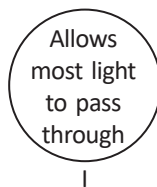
(D) 98745

8. Which of the following Venn diagrams best represents the relationship amongst Snake, Lizard and Reptiles?



Section B (Subject Specific)

9. Which of the following substances represents (III)?



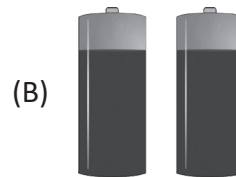
(A) Lens

(B) Window glass

(C) Butter paper

(D) Wood

10. Which of these represents a battery?



(D) Both (A) and (C)

11. The image formed by a pinhole camera is upside down because _____.

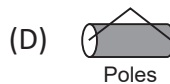
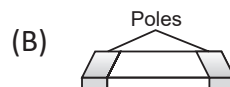
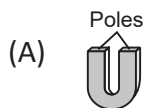
(A) Light travels in a straight line

(B) Light rays become laterally inverted as they pass through a pinhole camera

(C) Light rays get refracted through the pinhole

(D) None of these

12. In which of the following figures the poles of magnet are not labelled correctly?



13. Plants prepare their food using _____, _____ and _____.

(A) Sunlight, oxygen, water

(B) Sunlight, carbon dioxide, water

(C) Moonlight, carbon dioxide, soil

(D) Rainwater, oxygen, sunlight

14. Some changes are listed below. Sort out these changes into reversible and irreversible changes and choose the correct option.

(i) Dissolving salt in water to make a solution

(ii) Burning a piece of paper

(iii) Melting ice cubes to obtain water

(iv) Cutting a piece of cloth into smaller pieces

(A) Reversible-i, iii; Irreversible-ii, iv

(B) Reversible-i, iv; Irreversible-ii, iii

(C) Reversible-ii, iv; Irreversible-i, iii

(D) Reversible-iii, iv; Irreversible-i, ii

15. Which of the following is not a natural fibre?

(A) Cotton

(B) Silk

(C) Polyester

(D) Wool

16. Which of the following sets of items is good for making compost?

(A) Plastic, paper, aluminium foil and wrappers

(B) Broken plastic toys, polythene bags, pieces of clothes

(C) Egg shells, vegetable and fruit peels, tea leaves

(D) Aluminium wrappers, plastic bags and dry leaves

17. The substance that gets attracted towards a magnet is called magnetic substance. Which of the following is the example of magnetic substance?

(A) Nickel

(B) Iron

(C) Cobalt

(D) All of these

18. Which type of motion do the wheels of a moving car exhibit?

(A) Rectilinear

(B) Curvilinear

(C) Rotatory and translatory

(D) Circular



19. Which of the following is a characteristic of aquatic organisms?

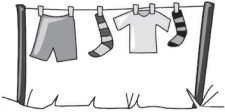

(A) They live and grow on land.

(B) They live and grow in water.

(C) They hibernate during unfavourable seasons.

(D) They can live both on land and in water.

20. The neutralisation reaction is
- Endothermic reaction
 - Exothermic reaction
 - Chemical change
- (A) Only (i) and (ii) (B) Only (ii) and (iii)
(C) Only (i) and (iii) (D) (i), (ii) and (iii)
21. Which of the following joints allows movement in all directions?
- (A) Hinge joint (B) Pivot joint
(C) Ball and socket joint (D) Fixed joint
22. Which of the following statements is incorrect?
- (A) A dry cell produces a small amount of electrical energy.
(B) A dry cell is used in TV remotes.
(C) All dry cells are rechargeable.
(D) The symbol of a dry cell is .
23. The right amount of protein must be included in the diet of growing children for their proper growth and development. How many protein rich foods are given in the list?
- Wheat, Bajra, Paneer, Eggs, Fish, Peas, Rice, Tuar dal
- (A) 3 (B) 7
(C) 5 (D) 6
24. In which condition the clothes will dry first?
- (A) 

(B) 
- (C) 

(D) Clothes will dry at the same time
25. Which of the following methods can be used to obtain pure water from sea water?
- (A) Filtration (B) Evaporation
(C) Distillation (D) Sedimentation
26. Select the correct match of traditional food items with its state.
- (A) *Mudde, palya, rasam* – Karnataka (B) *Eromba, utti, singju* – Bihar
(C) *Makki di roti, sarson da saag* – Gujarat (D) All of these

27. Which of these has the least number of movable joints?

- (A) Backbone (B) Skull
(C) Legs and feet (D) Arms and hands

28. Match the column I with column II and select the correct option.

Column I	Column II
(i) Reflection	a. A looking glass
(ii) Convex lens	b. Objects that give off their own light
(iii) Mirror	c. Bouncing back of light
(iv) Prism	d. Separates white light into different colours
(v) Luminous objects	e. Bends light rays to a focal point

- (A) i-c, ii-e, iii-a, iv-d, v-b (B) i-c, ii-e, iii-b, iv-d, v-a
(C) i-b, ii-e, iii-a, iv-d, v-c (D) i-b, ii-e, iii-a, iv-c, v-d

Instruction: Q. 29 to 33 are two-key based questions having four options A, B, C and D out of which TWO are correct.

29. Which of the following is the correct source of Vitamin C?

- (A) Indian gooseberry (B) Sea foods
(C) Oranges (D) Cod liver oil

30. Which of the following processes can be used to separate substances?

- (A) Sieving (B) Threshing
(C) Spinning (D) Composting

31. Why is carbon-rich material important in vermicomposting?

- (A) It provides essential nutrients to redworms.
(B) It helps in balancing the pH level of the compost.
(C) It helps the redworms in grinding their food.
(D) It reacts with the air and enhances the oxygen level in the soil.

32. Reticulate venation is present in _____.

- (A) Grass (B) *Ficus*
(C) Mango (D) Onion

33. To fix up the fractured bone, a paste made of Plaster of Paris (POP) is used as a coating over the bandage on the fractured bone. The plaster becomes hard and dry. This change in POP can be classified as _____.

- (A) Chemical change (B) Permanent change
(C) Physical change (D) Temporary change

Section C (Competency Enhancement)

34. Read the following statements and select the correct option.

Statement 1: Filtration is a method used to separate insoluble solids from liquids.

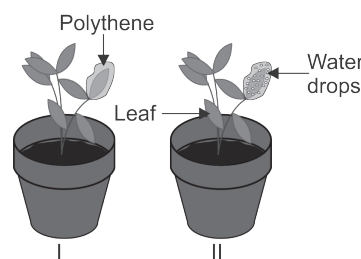
Statement 2: Evaporation is a method used to separate dissolved solids from liquids.

- (A) Both statement 1 and statement 2 are true. (B) Only statement 1 is true.
(C) Only statement 2 is true. (D) Both statement 1 and statement 2 are false.

35. A well-watered potted plant was taken and its one leaf was covered with a polythene bag as shown in Figure I. This plant was kept under the Sun. After a few hours on observing the plant, water droplets were found in the polythene bag as shown in Figure II.

Inside the polythene bag, water droplets were formed because of

- (A) Respiration (B) Transpiration
(C) Photosynthesis (D) Germination
36. Students set up an experiment to investigate how the position of the light source affects the size of shadow. Which setup will produce the longest shadow?
- (A) Placing the object under the mid-day sun in an open field
(B) Placing the object under a tree in the garden
(C) Placing the object very close to the source of light
(D) Placing the object far from a lamp on a desk



37. Which of the following adaptations helps organisms to survive in aquatic habitats?

- (A) Hibernation (B) Gills for breathing
(C) Hollow and spongy bones (D) Fur for warmth

38. Rahul is trying to push a heavy box across the floor. Initially, he exerts a small force but notices the box does not move. He gradually increases the force until the box starts moving. What does this situation demonstrate?

- (A) Friction (B) Conduction
(C) Speed (D) None of these

39. Sam learned in his science class that most plants require carbon dioxide for synthesising food by the process of photosynthesis. Which of the following does not directly rely on carbon dioxide for obtaining its food?

- (A) Oak tree (B) Algae
(C) Water lily (D) Mushroom

40. Select true (T)/false (F) for the following statements and choose the correct option.

- (p) Roots help plants absorb water and minerals from the soil.
(q) Leaves are responsible for anchoring the plant to the ground.
(r) All flowers have two cotyledons.
(s) Stems transport water and nutrients throughout the plant.
(t) Seeds are formed from the ovule.

- (A) p-T, q-F, r-T, s-T, t-T (B) p-T, q-F, r-F, s-T, t-T
(C) p-F, q-T, r-T, s-T, t-F (D) p-T, q-F, r-T, s-F, t-T

