



GRADE 6

SCIENCE

School Level Examination (SLE) 2025

SUBJECT CODE

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Total Questions: 40

Total Marks: 40

Time: 1 Hour

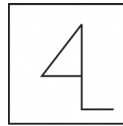
DO NOT OPEN THIS BOOKLET UNTIL INSTRUCTED TO DO SO

- Carefully fill in your **Name, Class, Roll Number**, and other required details on the **OMR Answer Sheet**.
- Use **only an HB pencil** to fill the OMR Answer Sheet.
- All questions are **compulsory** and carry **one mark** each.
- Only **OMR Answer Sheets** will be evaluated.
- There is **no negative marking** for incorrect answers.
- You may use the **last page** of the question paper for **rough work**.
- **Digital devices** like calculators, smart watches, or mobile phones are **not allowed**.
- After the exam, **submit** both the **OMR Answer Sheet** and the **Question Paper** to the invigilator.

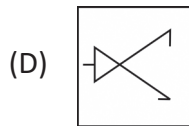
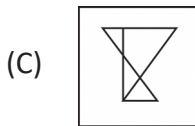
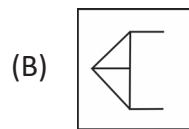
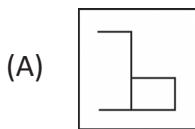
This question paper contains a total of 40 questions, divided into three sections: A, B, and C.

Section A (Logical Reasoning)

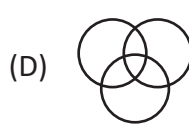
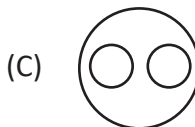
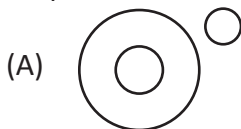
1. Figure (X) is exactly embedded in any one of the four option figures (A), (B), (C) and (D). Find the option which contains figure (X) as its part.



(X)



2. Which of the following Venn diagrams best represents the relationship amongst Frog, Crocodile and Amphibians?

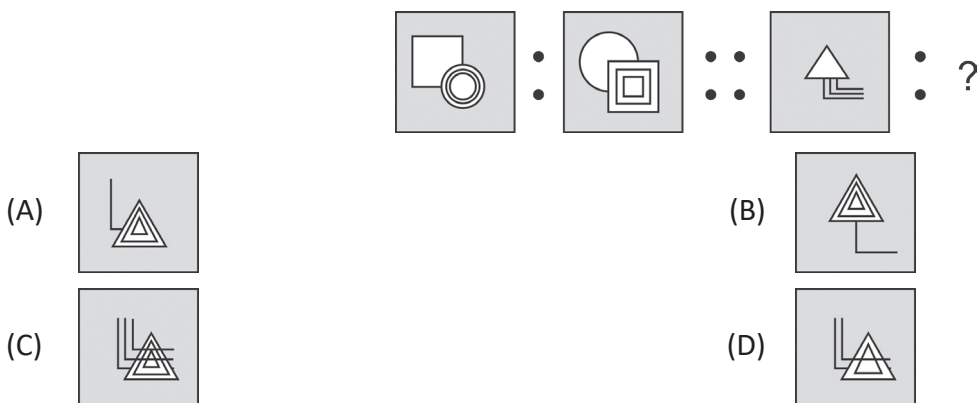


3. If Thursday falls on the seventh of a month, then which day will fall two days after 15th?
- (A) Friday (B) Thursday
(C) Sunday (D) Tuesday
4. E, F, G and H are playing cards. E, G and F, H are partners. If F is in the North of H and E is in the West of G, then the position of G with respect to H is _____.
- (A) North-East (B) North-West
(C) South (D) North
5. Pointing to a lady, Anshika said, "She is the mother-in-law of the husband of my mother". How is that lady related to Anshika?
- (A) Maternal grandmother (B) Sister
(C) Aunt (D) Grandmother
6. Tanya and Priya play a two-person game in which the winner gains 2 points and the loser loses 1 point. If Tanya won exactly 4 games and Priya had a final score of 4 points, how many games did they play?
- (A) 7 (B) 9
(C) 8 (D) 6

7. If '+' denotes '×', '×' denotes '−', '÷' denotes '+', and '−' denotes '÷', then
 $175 - 25 \div 5 + 20 \times 3 + 10 = ?$

(A) 160 (B) 70
 (C) 77 (D) 240

8. Choose the correct figure to complete the relationship.



Section B (Subject Specific)

9. Identify the plant from the given features.

- (i) Has green and tender stem
 (ii) Can live up to a few months
 (iii) Has usually short height

(A) Mango tree (B) Rose
 (C) *Tulsi* (D) Tomato

10. Which of the given statements are correct?

- (i) The Moon is a luminous body.
 (ii) The Moon is a non-luminous body.
 (iii) Opaque objects do not cast shadows.
 (iv) A ray of light is the path along which light travels.

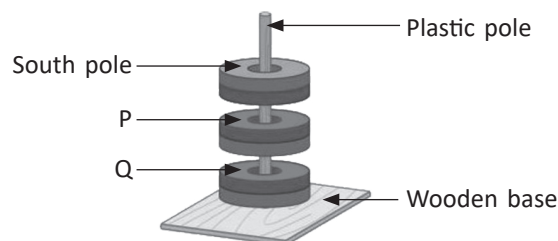
(A) Only (i) and (ii) (B) Only (ii) and (iii)
 (C) Only (i) and (iv) (D) Only (ii) and (iv)

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

- (i) Breaking of glass (ii) Burning of a matchstick
 (iii) Freezing of an ice-cream (iv) Formation of curd from milk
 (A) Reversible-i, iii; Irreversible-ii, iv
 (B) Reversible-iii; Irreversible-i, ii, iv
 (C) Reversible-ii, iv; Irreversible-i, iii
 (D) Reversible-iii, iv; Irreversible-i, ii

12. Which of the following leaf venation and type of root are correctly paired?
- (A) Parallel venation, fibrous root (B) Parallel venation, taproot
(C) Reticulate venation, fibrous root (D) None of these

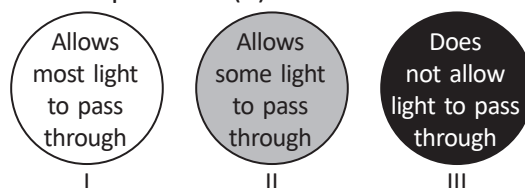
13. The three ring magnets stayed apart when they were placed on top of one another.



P is the _____ pole while Q is the _____ pole.

- (A) North, South (B) South, South
(C) North, North (D) South, North
14. If you stand before a plane mirror, your left hand appears right. This phenomenon is called _____.
(A) Reflection of light (B) Lateral inversion
(C) Shadow formation (D) Diffusion of light
15. Which of the following is artificial fibre?
(A) Cotton (B) Silk
(C) Wool (D) Polyester
16. Which of the following is an example of circular motion?
(A) Motion of the Moon around the Earth (B) Motion of the tip of the hand of a clock
(C) Running of an athlete on a circular track (D) All of these

17. Which of the following substances represents (II)?



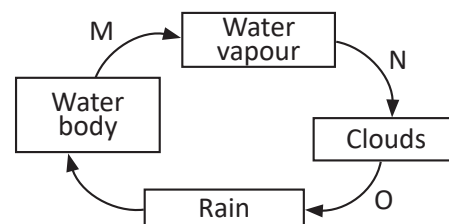
- (A) Frosted glass (B) Glass pane
(C) Metal (D) Wood

18. Read the given list of objects and select the suitable dustbins for these objects.

Group P	Group Q
Iron nail, plastic container, scale, polythene bags	Banana peels, leaf, pet feathers, bread slices

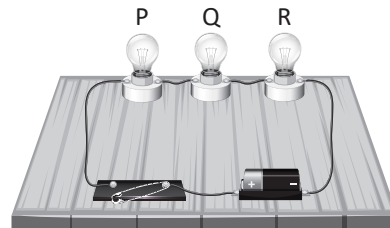
- (A) Group P- Blue bin, Group Q-Green bin (B) Group P- Green bin, Group Q-Blue bin
(C) Group P- Blue bin, Group Q-Blue bin (D) Group P- Green bin, Group Q-Green bin

19. Which of the following is a characteristic of terrestrial organisms?
 (A) They live and grow on land. (B) They live and grow in water.
 (C) They can live both on land and in water. (D) All of these
20. Which of the following is the source of Vitamin B₁?
 (A) Nuts (B) Whole grains
 (C) Legumes (D) All of these
21. What do M, N and O stand for in the given diagram?
 (A) M-Evaporation, N-Condensation, O-Precipitation
 (B) M-Heating, N-Transpiration, O-Precipitation
 (C) M-Condensation, N-Precipitation, O-Transpiration
 (D) M-Transpiration, N-Evaporation, O-Precipitation
22. Which of the following statements is correct?
 (A) Different animals exhibit different types of movements.
 (B) A cockroach uses legs and wings to move.
 (C) A snail moves with the help of muscular foot.
 (D) All of these
23. While going to school, Mohan observed that there were a lot of water puddles in the playground as it had been raining since last night. That evening, when he went to play, he was surprised to observe that some of the water in the puddles had disappeared. Select the correct reason for the disappearance of water.
 (A) Water seeped into the soil (B) Water was evaporated
 (C) Both (A) and (B) (D) None of these
24. Which of the following joints is present in our shoulder and hip?
 (A) Hinge joint (B) Ball and socket joint
 (C) Pivot joint (D) Fixed joint
25. A mixture of sand, chalk powder and sodium chloride is added in water and stirred well. If it is filtered then what will be left on the filter paper and what is it called?
 (A) Sodium chloride; filtrate (B) Chalk powder; distillate
 (C) Chalk powder and sand; filtrate (D) Chalk powder and sand; residue
26. Which of the following is an endothermic reaction?
 (A) Melting of an ice-cream.
 (B) Burning of a candle.
 (C) The opening of a soda bottle with production of gas.
 (D) Bursting of crackers.
27. Our backbone consists of _____.
 (A) 13 vertebrae (B) 23 vertebrae
 (C) 33 vertebrae (D) 43 vertebrae



28. Three bulbs P, Q, R are connected in a circuit as shown in the given figure. When the switch is 'ON'

- (A) Bulb R will glow first.
- (B) Bulb Q and R will glow simultaneously and bulb P will glow after some time.
- (C) All the bulbs P, Q and R will glow at the same time.
- (D) The bulbs will glow in the order P, Q and R.



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. Gymnosperms are _____.

- (A) Naked seeded plants
- (B) Closed seeded plants
- (C) Non-flowering plants
- (D) Flowering plants

30. Which of these statements is true about vermicomposting?

- (A) It breaks down waste naturally.
- (B) It produces harmful substances.
- (C) It requires the presence of light.
- (D) It takes place in the presence of oxygen.

31. Which of the following mixtures can be separated by the method of winnowing?

- (A) Kidney beans and chick peas
- (B) Pulses and rice
- (C) Rice flakes and corn
- (D) Potato wafers and biscuits

32. Read the following sentences and select the incorrect ones.

- (A) Diseases that occur due to lack of nutrients over a long period are called deficiency diseases.
- (B) Eating too much of fat rich foods may end up one suffering from a condition called obesity.
- (C) Deficiency of vitamin A leads to weak bones and tooth decay.
- (D) Deficiency of calcium leads to swollen neck glands and mental disability in children.

33. Which of the following can float on water?

- (A) Pin, battery
- (B) Coin, rubber band
- (C) Plastic ball, feather
- (D) Thermocol, oil

Section C (Competency Enhancement)

34. During a vacation, Tara spotted a plant with thick, modified leaves having waxy coating, growing in a desert area. Which plant did she see?

- (A) *Neem*
- (B) Cactus
- (C) Lotus
- (D) Bamboo

35. Aditi took three healthy plants of the same type and performed the following steps.

Plant 1: She covered all the leaves of the plant with a polythene bag and placed it under the Sun.

Plant 2: She removed all the leaves of the plant and placed it under the Sun.

Plant 3: She placed the plant under the Sun without removing leaves and without covering it with polythene bag.

In which of the above three set-ups water droplets can be observed after some time?

- (A) Set-up with plant-1
- (B) Set-up with plant-2
- (C) Set-up with plant-3
- (D) Water drops will not be observed in any set-up

36. In which of the following situations frictional force is mainly applicable?

- (i) Walking on the ground
- (ii) Falling of a ball
- (iii) Applying brake to stop a moving car
- (iv) Pulling water from a well
- (A) (i) and (ii)
- (B) (ii) and (iv)
- (C) (i) and (iii)
- (D) Only (iii)

37. 26 January is celebrated with great patriotic feeling across the country with flag hoisting ceremonies and parades by children. What type of motion can be seen during parade?

- (A) Rotational motion
- (B) Linear motion
- (C) Circular motion
- (D) Oscillatory motion

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

Statement 1: Mirror reflections give clear images.

Statement 2: Images are similar to shadows.

- (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.

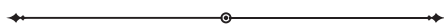
39. Match the mixtures in Column I with their method of separation in Column II.

Column I	Column II
(P) Oil mixed in water	(i) Sieving
(Q) Iron powder mixed with flour	(ii) Handpicking
(R) Salt mixed with water	(iii) Decantation
(S) Okra mixed with french beans	(iv) Magnetic separation
(T) Rice flour mixed with kidney beans	(v) Evaporation

- (A) (P)-(iii);(Q)-(iv);(R)-(v);(S)-(ii);(T)-(i)
- (B) (P)-(ii);(Q)-(iv);(R)-(v);(S)-(iii);(T)-(i)
- (C) (P)-(iii);(Q)-(i);(R)-(v);(S)-(ii);(T)-(iv)
- (D) (P)-(i);(Q)-(iv);(R)-(v);(S)-(iii);(T)-(ii)

40. Which of the following statements are correct?

- (i) Roots help plants absorb water and minerals from the soil.
- (ii) Leaves are responsible for anchoring the plant into the ground.
- (iii) All flowers have two cotyledons.
- (iv) Stems transport water and nutrients throughout the plant.
- (v) Seeds are formed from the ovule.
- (A) (i), (ii) and (iv) only
- (B) (i), (iii) and (iv) only
- (C) (i), (iv) and (v) only
- (D) (ii), (iii) and (iv) only



SPACE FOR ROUGH WORK