



School Level Examination
SLE 2023

GRADE
6

SCIENCE

Subject Code:

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

Total Questions: 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 BALLPEN** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **40 MULTIPLE CHOICE QUESTIONS**. Use the information provided to choose the **BEST** possible answer among the four options. On your **ANSWER SHEET** fill in 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.

SCIENCE

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

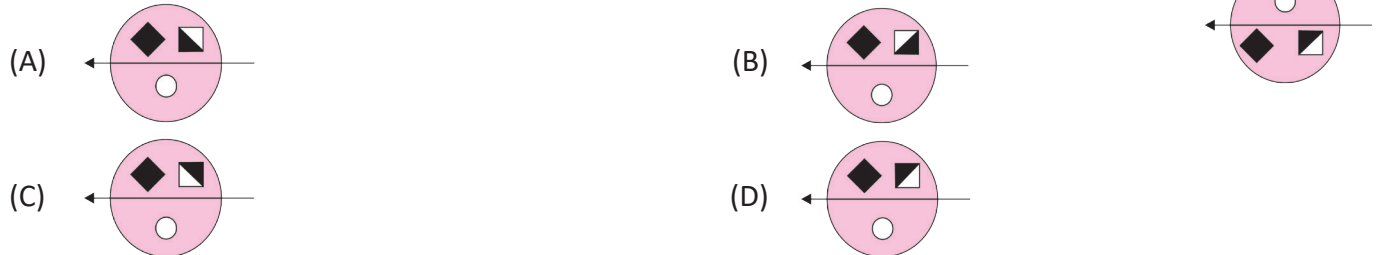
Read the instructions carefully before attempting these questions.

Section A (Logical Reasoning)

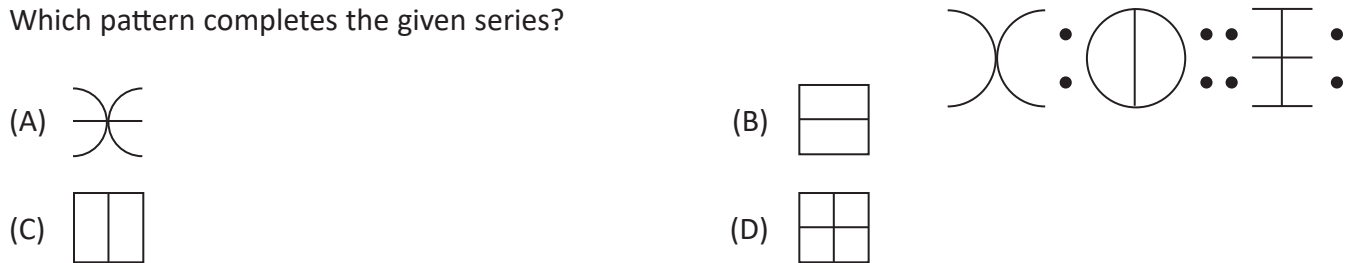
1. Which word comes last, when the following words are arranged in the alphabetical order as arranged in a dictionary?

- (A) Heavy (B) Hectare
(C) Harvest (D) Heaven

2. In each of the following questions given choose the correct water image of the figure.

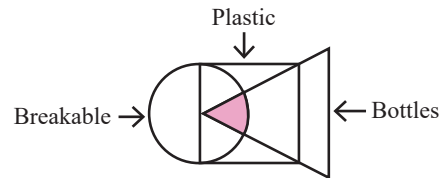


3. Which pattern completes the given series?



4. What does the shaded portion indicates in the given Venn diagram?

- (A) Unbreakable plastic bottles
(B) Breakable plastic bottles
(C) Breakable plastic but not bottles
(D) Plastic bottles



5. If '+' denotes 'x', 'x' denotes '-', '÷' denotes '+', and '-' denotes '÷', then

$$175 - 25 \div 5 + 20 \times 3 + 10 = ?$$

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

6. If MONDAY is coded as 123456 and BELT is coded as 0789, then how would you encode the word TOMBAY?

- (A) 921056 (B) 920156
(C) 291056 (D) 920165

7. How many 4s are there in the following number series that are preceded by 5 but not followed by 7?

2 3 4 2 3 4 2 5 4 7 3 2 4 3 1 9 2 5 4 7 5 4 7 2 3 4 5 2 9 5 4 6

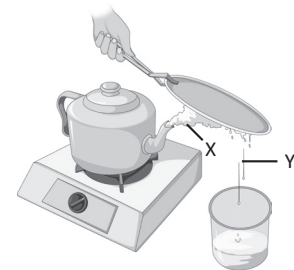
- (A) One (B) Three
(C) Four (D) Five

8. A is B's brother. C is D's father. E is B's mother. A and D are brothers. How is E related to C?
- (A) Sister (B) Sister-in-law
(C) Niece (D) Wife

Section B (Subject Specific)

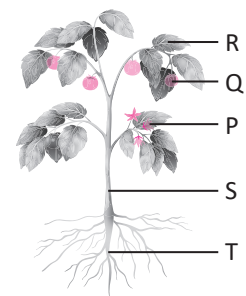
9. Look at the given figure and identify X and Y respectively.

- (A) X- Decantation; Y- Filtration
(B) X- Decantation; Y- Sedimentation
(C) X- Evaporation; Y- Condensation
(D) X-Condensation; Y- Evaporation



10. Consider the given diagram and identify the correct statements related to it.

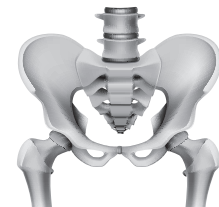
- (i) P is composed of anthers, stamens and pistil.
(ii) Q is the part of plant that contains seeds.
(iii) R is helps in upward movement of water.
(iv) S lose water through transpiration.
(v) T helps holding the plant firmly to the soil.



- (A) (i), (iii) and (v) (B) (ii), (iv) and (v)
(C) (i), (ii) and (iii) (D) (i), (ii) and (v)

11. Study the given figure and select the correct option.

- (A) Enclose the body part below the stomach.
(B) This is the part we sit on.
(C) This bone is also called hip bone.
(D) All of these



12. Read the following statements and select the INCORRECT ones.

- (A) Spinning of wheel converts fibres into yarn.
(B) Nylon is not a natural fibre.
(C) The burning of silk smells like charred meat.
(D) Wool is obtained only from goat.


13. Complete the following paragraph by choosing correct set of words:

Lack of vitamins and minerals in our diet causes several _____ diseases. Goiter is caused due to deficiency of _____ in our diet and deficiency of _____ causes night blindness.

- (A) malnutrition, iron, iodine
(B) deficiency, iodine, vitamin-A
(C) long lasting, vitamin-D, vitamin-A
(D) deficiency, iodine, iron

20. Magnets can be protected against self-demagnetisation by keeping the two magnets _____.
- (A) with their similar poles on the same side and a soft iron keeper in between
 - (B) with their opposite poles joined with soft iron keepers and a wooden piece in between the two
 - (C) at right angle to each other
 - (D) over each other lengthwise

21. Which of the following is the symbol of an electric bulb?

- (A)  (B) 
- (C)  (D) 

22. Label the given diagram of electric bulb.

- (A) P-Bulb, Q-Battery, R-Switch
- (B) P-Filament, Q-(−)Terminal, R-(+)Terminal
- (C) P-Light, Q-Metal, R-Terminal
- (D) P-Filament, Q-Metal, R-Switch



23. Match the columns and select the correct option.

Column I	Column II
1. Opaque	(p) Sheet of plane glass
2. Some light can pass through	(q) Polythene sheet
3. All the light can pass through	(r) Cardboard

- (A) 1-p, 2-q, 3-r
- (B) 1-r, 2-q, 3-p
- (C) 1-q, 2-p, 3-r
- (D) 1-p, 2-r, 3-q

24. What kind of motion does a bullet show when fired from a gun?

- (A) Linear motion
- (B) Translatory motion
- (C) Random motion
- (D) Non-periodic motion

25. Rohan is going for a family trip to hilly areas. He is most likely to see a large number of trees having cone shaped, sloping branches with needle like leaves. What is the role of these kind of trees?

- (A) This helps the rainwater and snow to slide off easily.
- (B) This helps in reducing loss of water.
- (C) This shape helps them move water inside.
- (D) None of these

26. Why has disposal of garbage become a serious problem in big cities?

- (A) Garbage is collected in large quantities.
- (B) Garbage contains plastics and thermocol which do not decompose.
- (C) Garbage is always separated into wet and dry garbage.
- (D) None of these

27. In our daily life, we eat many things which come from different plants. Which parts of the plant are edible for human beings?
- (A) Stem (B) Flower
(C) Leaf (D) All of these
28. Which of the following plant parts constitute the male part?
- (A) Sepals, petals and stamen (B) Anthers and filaments
(C) Sepals, petals, ovary, style and stigma (D) Ovary, style and stigma

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. Select the given mixtures that can be separated by hand- picking.
- (A) Small stones from rice (B) Salt from water
(C) Specified fruit from number of fruits in basket (D) Grains from husk
30. Which of the following objects does not allow any light to pass through them?
- (A) Butter paper (B) Thin Plastic
(C) Wood (D) Brick wall
31. Which of the following are non-luminous objects?
- (A) Fireflies (B) Rocks
(C) Moon (D) Stars
32. Which of the following are INCORRECT examples of abiotic components?
- (A) Air (B) Soil
(C) Microorganism (D) Predator
33. Which two parts of the mustard plants are edible commonly?
- (A) Seeds (B) Roots
(C) Stem (D) Leaves

Section C (Competency Enhancement)

34. Read the following statements and select the correct option.
- Statement 1:** Long chimneys can be seen in factories.
- Statement 2:** Long chimneys take the harmful smoke and gases away from our noses.
- (A) Both statements 1 and 2 are correct.
(B) Both statements 1 and 2 are incorrect.
(C) Statement 1 is correct but 2 is incorrect.
(D) Statement 1 is incorrect but 2 is correct.

35. Why are the electric wires used in homes usually covered with materials like plastic or rubber?
- To prevent rusting
 - To make handling easier
 - To prevent shock and short circuits
 - To make them look beautiful
36. Sometimes, when we pass under a tree covered with large number of leaves, we notice small, bright patches of sunlight under it. Which effect is being illustrated here?
- Solar Eclipse
 - Pinhole camera effect
 - Shadow effect
 - None of these
37. Shikha had her birthday and she wanted her mother to decorate the house. Following were the decoration activities done by Shikha's mother.
- | | |
|--------------------------------|--|
| i. Blowing balloons | ii. Beautiful paper cutting strips put on wall |
| iii. Making dough to make cake | iv. Blowing candles on cake |
- From the above activities select the correct category of reversible and irreversible changes.
- | | |
|--|--|
| (A) Reversible-i; Irreversible-ii, iii, iv | (B) Reversible-i, ii; Irreversible-iii, iv |
| (C) Reversible-iii, iv; Irreversible-i, ii | (D) Reversible-iii; Irreversible-i, ii, iv |
38. Shashank took a tumbler of water. He dissolved 2 spoons of sugar in it by stirring. Once the sugar was dissolved he repeats the process of adding sugar. But, after stirring the sugar 4-5 times it was not dissolving in the water solution. What is this solution called?
- | | |
|--------------------|--------------------------|
| (A) Sugar solution | (B) Unsaturated solution |
| (C) Filtration | (D) Saturated solution |
39. Teacher gave options to students to measure a curved line by using one of these measuring items. Scale, Tape, Thread, Handspan
- Who can measure the curved line most accurately by using the above items?
- | | |
|-------------------------|----------------------------|
| (A) Student using scale | (B) Student using thread |
| (C) Student using tape | (D) Student using handspan |
40. Janvi learnt in her science class that plants can also be reproduced by stem cutting method. Which of the following cannot be reproduced by stem cutting method?
- | | |
|-----------------|------------|
| (A) Wheat | (B) Rose |
| (C) Money plant | (D) Grapes |

