



School Level Examination
SLE 2023

GRADE
4

SCIENCE

Subject Code:

3	0	1
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Total Questions: 30

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 an **HB PENCIL** only.
- You **MUST** record your answers on the **ANSWER SHEET** only.
- There are **30 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.

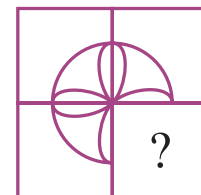
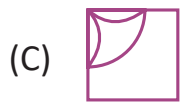
This question paper contains a total of 30 questions divided into three sections - A, B and C.

Section A (Logical Reasoning)

1. What is the time by 24-hour clock if it is 11:30 pm by my watch?

- (A) 11:30 (B) 21:30
(C) 22:30 (D) 23:30

2. Complete the given figure from the given set of options.



3. For a project Simmi cut a piece of paper into a shape with 4 sides, but none of them are of same length. What is the shape of the paper?

- (A) Rectangle (B) Quadrilateral
(C) Square (D) Pentagon

4. If 'x' means '÷' ; '-' means 'x' ; '+' means '-' and '÷' means '+', find the value of expression:

$$95 \times 19 - 4 + 5 \div 1$$





- (A) 16 (B) 15
(C) 19 (D) 27

5. Last weekend, I went to play in the nearby park. It was real fun. I rode my new bicycle that Mom had gifted me on my birthday.

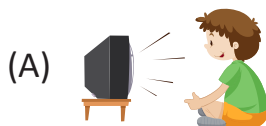
On reaching the park, I saw that there were a total of 15 bicycles and tricycles. If the total number of wheels was 40, find the number of tricycles and bicycles.

- (A) 10 tricycles and 5 bicycles (B) 5 tricycles and 10 bicycles
(C) 12 tricycles and 3 bicycles (D) 3 tricycles and 10 bicycles

Section B (Subject Specific)

6. Which of the following food items is the rich source of carbohydrates?
- (A) Milk (B) Egg
(C) Fish (D) Banana
7. Read the following features and identify the animal.
- (i) Bones are light and hollow
(ii) Boat- shaped body
(iii) Feathers to keep the body warm
- (A)  (B) 
(C)  (D) 
8. The type of rock that forms during the volcanic eruption is _____.
- (A) Sedimentary (B) Metamorphic
(C) Igneous (D) All of these
9. Arrange the following layers of soil in correct sequential order from inside to outside.
- (i) Parent Material (ii) Subsoil (iii) Organic layer
(iv) Top soil (v) Bedrock
- (A) (i), (ii), (iii), (iv), (v) (B) (v), (i), (ii), (iv), (iii)
(C) (i), (iv), (iii), (v), (ii) (D) (iii),(ii) ,(i),(iv),(v)
10. Which is the coldest planet in our Solar System?
- (A) Neptune (B) Uranus
(C) Saturn (D) Jupiter
11. Which of the following statements is INCORRECT about hygiene?
- (A) We should brush our teeth using our fingers.
(B) We should take bath daily.
(C) We should wash our hands before and after eating.
(D) We should use hair oil and shampoo to keep our hair healthy.

12. I am a flat supporting surface raised at an angle. You can use me raising or lowering a load. I am a/an _____.
- (A) Wheel and axle (B) Screw
(C) Lever (D) Inclined plane
13. During the rainy season, a TV reporter reported that in Uttarakhand there was heavy landslide. What could have been the reason?
- (A) Heavy rainfall (B) Cutting of trees
(C) Increasing traffic (D) Both (A) and (B)
14. A powerful spinning cone of wind that can cause damage to houses, places, things and people if they are in the path is _____.
- (A) Typhoon (B) Tornado
(C) Flood (D) Drought
15. Select the correct example of work being done during the given activities.
- (A) Tapping on the keyboard (B) Car engine while moving car
(C) Sitting in a moving car (D) Both (A) and (B)
16. Ankita noted features of an aquatic plant. Choose the plant that has these features.
- (i) Leaves of the plants are broad and flat with a coating on the surface.
(ii) Stem is long, hollow and present on the surface of water.
- (A) Duckweed (B) Tape grass
(C) Water hyacinth (D) Lotus
17. Which of the following is responsible for causing pollution?
- (A) Burning fossil fuels in cars and trucks (B) Spilling chemicals in rivers
(C) Oil spills in the oceans (D) All of these
18. Which of the following activities would need energy the most?



19. Match the columns.

Column I	Column II
(p) The force which pulls a body towards the Earth	(i) Hydel
(q) The energy stored in muscles	(ii) Friction
(r) The force which stops the movement of body when the body is in contact with a surface	(iii) Muscular
(s) The energy possessed by moving water	(iv) Gravity

- (A) (p)-iii, (q)-iv, (r)-ii, (s)-i
 (B) (p)-iv, (q)-iii, (r)-ii, (s)-i
 (C) (p)-ii, (q)-i, (r)-iii, (s)-iv
 (D) (p)-i, (q)-iv, (r)-iii, (s)-ii

20. What kind of force is being used in doing the given activity?



- (A) Frictional force
 (B) Elastic force
 (C) Magnetic force
 (D) Electrostatic force

21. The given picture shows a plant. In which type of ecosystem do you expect to find this?

- (A) Grassland
 (B) Desert
 (C) Tundra
 (D) Marine



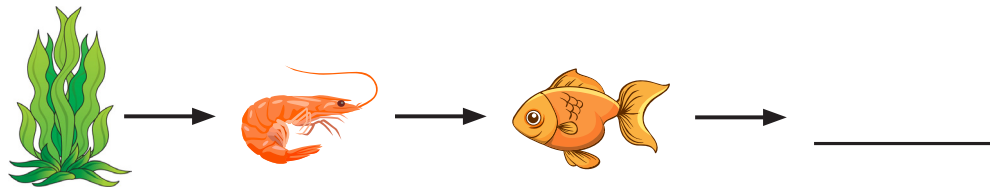
22. Animals that spend most of their time on trees and occasionally come to the ground are identified as _____ animals.

- (A) Aquatic
 (B) Amphibian
 (C) Aerial
 (D) Arboreal

23. Which of these substances has definite volume but no fixed shape?

- (A) Book
 (B) Metal
 (C) Pencil
 (D) Lemon juice

24. Complete the missing link of the following marine food chain.



- (A) Shark
(B) Elephant
(C) Snail
(D) Shrimp
25. On which kind of day would you expect the most evaporation from the surface of a pond?
- (A) Cold and rainy
(B) Cold and sunny
(C) Warm and rainy
(D) Warm and sunny

Section C (Competency Enhancement)

26. Ridhima took a piece of potato with bud and sown it in damp soil. She watered this area every day. What will be the result of this experiment by her after a few days?
- (A) A stem will emerge out.
(B) A leaf will emerge out
(C) It grows into new plant.
(D) No changes can be seen.
27. A student pours water into a clear cup of soil. He sees air bubbles coming out of the water as it sinks into the soil. Where are the air bubbles coming from?
- (A) Water
(B) Soil
(C) Cup
(D) Decaying things
28. Yashwant took out a can of orange juice from freezer. After a while, he noticed some water droplets on the outside of the can. Where did the water droplets come from?
- (A) From the cool air in the freezer
(B) From the moisture in the surrounding air
(C) From the orange juice
(D) From Yashwant's hands



29. Samita lit a perfume stick in the corner of a room. When she stood at the other corner, she smelled the perfume after some time. What can we conclude from this?
- (A) Rooms produce perfume when a perfume stick is lit in a corner.
 - (B) All the air present in a room gives perfume.
 - (C) Perfumes do not spread from one place to another.
 - (D) All gases, including perfumes, have the property of spreading from one place to another.

30. Study the situation.

Situation 1: Sonam used an ice tray to make ice cubes from water. She kept it in the lower compartment of the fridge along with other materials.

Situation 2: Instead of keeping the ice tray in the lower compartment, Shanu kept it in the freezer zone.

Who will get the ice cubes?

- (A) Both Sonam and Shanu
- (B) Sonam
- (C) Shanu
- (D) None of them

