



## **B.K. BIRLA CENTRE FOR EDUCATION**

**SARALA BIRLA GROUP OF SCHOOLS  
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL**

**TERM-1 EXAM-(2026-27)**

**SCIENCE (SET-2)**

Class: V  
Date: 07/09/'26  
Admission no:

Time: 3hour  
Max Marks: 80  
Roll no:

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### **Marking scheme**

#### **SECTION – A (1 Mark Each)**

1. (d) Run cool water over the burn.
2. (b) Apply ice to reduce swelling.
3. (d) Marble.
4. (b) Pumice.
5. (a) Carrot.
6. (d) Stem cutting.
7. (b) Iodine.
8. (d) Egg.
9. (d) Cuprite.
10. (d) Joints.
11. (b) Skull.
12. (b) Vertebrae.
13. (d) Air.
14. (b) Humans.
15. (a) Turtles.
16. (c) Medulla.

#### **Assertion–Reason**

17. C – Assertion is true but Reason is false.
18. A – Both A and R are true, and R is the correct explanation of A.
19. A – Both A and R are true, and R is the correct explanation of A.
20. C – Assertion is true but Reason is false.

SECTION – B (2 Marks Each)

21. The front limbs of birds have changed into wings. Wings help birds fly and move from one place to another.

22. Non-communicable diseases are diseases that do not spread from one person to another.

Examples: Diabetes and Cancer.

23. Items in a First Aid Box:

- Bandages
- Cotton
- Antiseptic lotion
- Gauze
- Adhesive tape
- Scissors
- Thermometer
- Safety pins

OR

First aid for a wasp sting

- Wash the affected area with soap and water.
- Apply a cold pack or ice wrapped in a cloth.
- Keep the area clean.
- Seek medical help if swelling is severe or there is difficulty in breathing.

24. Sedimentary rocks are formed by the deposition and hardening of layers of sand, mud, and other sediments over a long period.

Examples: Sandstone and Limestone.

25. The tongue has tiny taste buds that help us identify different tastes like sweet, sour, salty, and bitter. It also helps in chewing, swallowing, and speaking.

26. Seed dispersal is the process of scattering seeds away from the parent plant.

Seed dispersal by water: Seeds of plants like coconut and lotus float on water and are carried to different places where they grow into new plants.

SECTION – C (3 Marks Each)

27. Spiracles are tiny openings on the sides of an insect's body.

- Air enters through the spiracles into air tubes called tracheae.
- These tubes carry oxygen to all parts of the body and remove carbon dioxide.

OR

- Fish breathe through gills.
- Adult frogs breathe through their moist skin underwater.
- Tadpoles breathe through gills.

28. Wash hands regularly with soap.

1. Drink clean and boiled water.
2. Keep the surroundings clean and free from mosquitoes.
3. Cover the mouth while coughing or sneezing.
4. Take vaccinations on time.

29. A girdle is a group of bones that connects the limbs to the main skeleton.

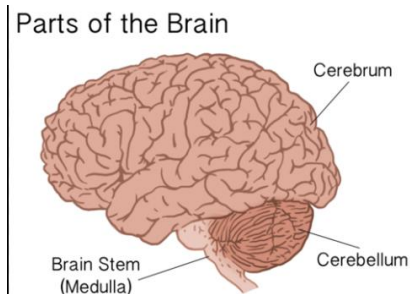
- Shoulder girdle: Connects the arms to the body and helps in arm movement.
- Hip girdle: Connects the legs to the body, supports body weight, and helps in walking and running.

30. A joint is the place where two or more bones meet.

- Movable joint: Allows movement of bones. *Example:* Knee, elbow.
- Fixed joint: Does not allow movement. *Example:* Bones of the skull.

31. Brain

Parts of the Brain



32.

| Omnivores                     | Carnivores            |
|-------------------------------|-----------------------|
| Eat both plants and animals   | Eat only animals      |
| Have different types of teeth | Have sharp teeth      |
| Examples: Human, Bear         | Examples: Lion, Tiger |

33. Malaria is spread by the bite of an infected female Anopheles mosquito.

- The mosquito carries the malaria parasite.
- When it bites a healthy person, the parasite enters the bloodstream and causes malaria.

#### SECTION – D (4 Marks Each)

34. Case Study

(i) Chemical change.

(ii) Answer: Physical changes are changes in which only the size, shape, or state changes and no new substance is formed.

(iii) Write two examples of chemical changes.

- Burning paper
- Rusting of iron

OR

(iv) Melting of ice

- Freezing of water

35. Case Study

(i) Walk instead of running in corridors.

- Use playground equipment carefully.

(ii) First aid is the immediate care given to an injured person before medical help arrives.

(iii) Do not touch electrical appliances with wet hands.

- Keep away from fire, sharp objects, and medicines.

OR

(iv) Mention the items kept in the First Aid Box.

- Bandages
- Cotton
- Antiseptic lotion
- Gauze
- Adhesive tape
- Scissors
- Thermometer

### 36. Case Study

(i) Answer: Sternum.

(ii) Answer: 12 pairs.

(iii) Front: Sternum

- Back: Backbone (vertebral column)

OR

(iv) Floating ribs are the last two pairs of ribs that are attached only to the backbone and not to the sternum.

### SECTION – E (5 Marks Each)

37. Some plants reproduce from their roots and leaves.

Growth from roots

Some plants develop buds on their roots that grow into new plants.

Example: Sweet potato.

Growth from leaves

Some plants produce tiny buds along the edges of their leaves. These buds grow into new plants.

Example: Bryophyllum.

OR

Agriculture is the practice of growing crops and rearing animals for food and other useful products.

Steps of agriculture:

1. Preparation of soil (Ploughing)
2. Sowing seeds
3. Adding manure and fertilizers
4. Irrigation
5. Weeding
6. Harvesting
7. Storage

38. Igneous rocks are formed when hot molten magma or lava cools and hardens.

Diagram:



OR

Stages in the formation of petroleum

1. Dead plants and animals settled at the bottom of seas.
2. Layers of sand and mud covered them.
3. Heat and pressure acted for millions of years.
4. They changed into petroleum and natural gas.

39. (a) Melting and (b) Freezing with diagrams

(a) Melting

Melting is the process in which a solid changes into a liquid on heating.

Diagram:

Ice + Heat  $\rightarrow$  Water  
(Solid)      (Liquid)

(b) Freezing

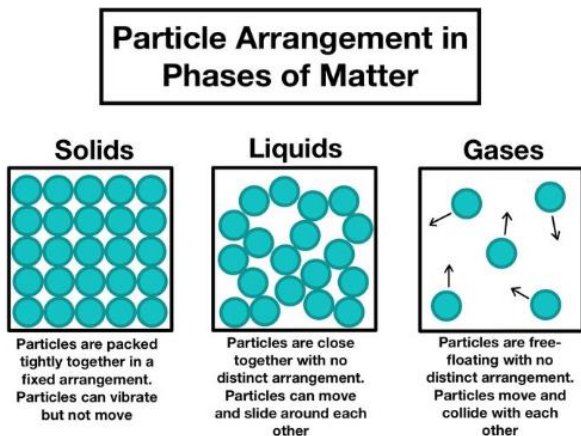
Freezing is the process in which a liquid changes into a solid on cooling.

Diagram:

Water + Cooling  $\rightarrow$  Ice  
(Liquid)      (Solid)

OR

Arrangement of molecules



\*\*\*\*\*Best of Luck\*\*\*\*\*

