



# B.K. BIRLA CENTRE FOR EDUCATION

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

## ANNUAL EXAM (2025-26) SCIENCE (SET I) MARKING SCHEME

Class: VI

Date: 14/03/26

Time: 3 hours

Max Marks: 80

### SECTION – A

1. b) understand nature
2. c) Lodestone
3. b) Thermometer
4. c) 100°C
5. b) Filtration
6. d) all of these
7. a) Growth
8. c) fossil fuels
9. c) Oxygen
10. c) solar system
11. b) Mars
12. c) surface area is large
13. c) Iron
14. b) stimuli
15. d) Coal
16. c) no atmosphere

### Assertion–Reason

17. a) Both A and R are true, and R is the correct explanation of A.
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. d) A is false but R is true.

### SECTION – B

21. **Science** is the systematic study of the natural world through observation and experiments.
22. A **magnet** is a material that attracts iron and other magnetic materials.  
Magnetic materials: **Iron, Nickel** (or Cobalt).
23. Two uses of water:
  - Drinking
  - Cooking

**OR**

**Condensation** is the process by which water vapour changes into liquid on cooling.

24. **Filtration** is a method of separating insoluble solids from liquids using a filter.

Example: Separating sand from water.

25. Two characteristics of living organisms:

- Growth
- Respiration (or reproduction/response to stimuli)

26. **Natural resources** are resources obtained from nature and used by humans.

Examples: **Air, Water** (or Sunlight, Soil).

## **SECTION – C**

27. **Three states of water:**

- Solid (Ice)
- Liquid (Water)
- Gas (Water vapour)

28. **Evaporation** is the process of change of water into vapour on heating.

Example: Drying of clothes in sunlight.

29. **Three differences between living and non-living things:**

**Living Things    Non-Living Things**

Grow              Do not grow

Respire          Do not respire

Reproduce        Do not reproduce

30. A thermometer is placed under the tongue or armpit. It measures body temperature and shows the reading in °C or °F.

31. **Renewable resources** can be replenished naturally (e.g., Sunlight, Wind).

**Non-renewable resources** cannot be replaced quickly (e.g., Coal, Petroleum).

32. Planets in order:

**Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune**

33. Three uses of magnets:

- Finding directions (compass)
- In refrigerator doors
- In electric bells

**OR**

A magnet is a material that attracts iron.

Properties:

- Attracts magnetic materials
- Has two poles (North and South)

## SECTION – D

34.

1. **Chemical change**
2. Example: Using a pressure cooker makes cooking faster.
3. Warm temperature helps bacteria grow, which converts milk into curd.

**OR**

4. Science helps in food preservation through refrigeration, drying, and canning.

35.

1. Temperature indicates how hot or cold a body is.
2. No. Normal body temperature is about **37°C**, so 39°C indicates fever.
3. Mercury thermometer and digital thermometer.

**OR**

4. Digital thermometers are safer because they do not contain mercury, which is harmful.

36.

1. **Orbit**
2. **The Sun**
3. **Mars** – because it appears red due to iron oxide on its surface.

**OR**

4. Earth is suitable for life because it has:

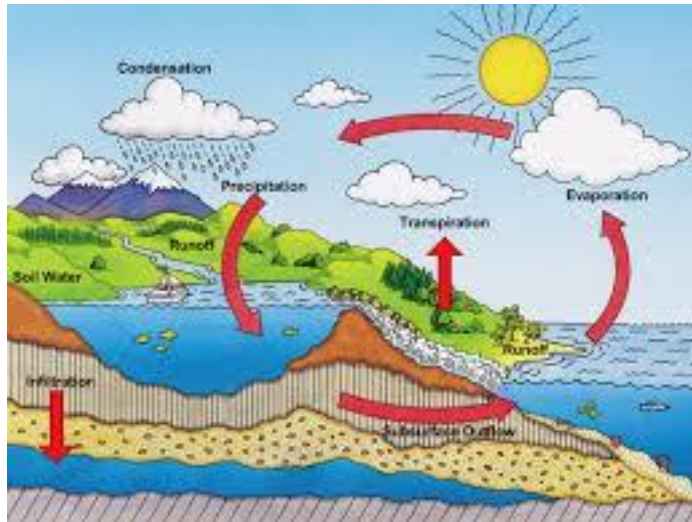
- Air (oxygen)
- Water

## SECTION – E

**37. Water Cycle:**

The water cycle includes:

- Evaporation
- Condensation
- Precipitation
- Collection



OR

Importance of water:

- Drinking
- Cooking
- Cleaning
- Agriculture
- Industries

**38. Methods of separation:**

- Handpicking
- Sieving
- Filtration
- Evaporation
- Sedimentation and decantation

OR

**Sedimentation:** Heavier particles settle at the bottom.

Example: Mud settles in water.

**Decantation:** Pouring off clear liquid from the top.

Example: Pouring clean water after sedimentation.

**39. Characteristics of living organisms:**

- Growth
- Respiration
- Reproduction
- Movement
- Response to stimuli
- Excretion

OR (Frog Life Cycle)

(a) **Tadpole stage** – Spent in water

Features: Gills, tail for swimming

(b) **Adult frog stage** – Lives on land and in water

Features: Lungs for breathing, strong legs for jumping and swimming

\*\*\*\*\*ALL THE BEST\*\*\*\*\*