



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-1)



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

Time: 3 Hour
Max Marks: 80
Roll no:

Marking scheme

SECTION – A (1 Mark Each)

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

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. C – A is true but R is false.
20. C – A is true but R is false.

SECTION – B (2 Marks Each)

21.

Answer:

Seed dispersal is the process by which seeds are scattered away from the parent plant.

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

22.

Answer:

Communicable diseases are diseases that spread from one person to another through air, water, food, or direct contact.

Examples: Measles and Chickenpox.

23.

Items in a First Aid Box:

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

OR

First aid for a bee sting

- Remove the sting carefully.
- Wash the area with soap and water.
- Apply ice to reduce pain and swelling.
- Seek medical help if there is severe allergy.

24.

Answer:

Metamorphic rocks are rocks formed when heat and pressure change existing rocks.

Examples: Marble and Slate.

25.

Answer:

The tongue has tiny taste buds that detect different tastes such as sweet, sour, salty, and bitter. It also helps in chewing and swallowing food.

26.

Answer:

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

SECTION – C (3 Marks Each)

27.

Answer:

- 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 blood and causes malaria.

28.

Answer:

- Wash hands regularly.
- Drink clean and safe water.
- Cover mouth while coughing or sneezing.
- Keep surroundings clean.
- Get vaccinated.

29. Importance of the skeletal system

Answer:

1. Gives shape and support to the body.
2. Protects internal organs.
3. Helps in movement with the help of muscles.

30.

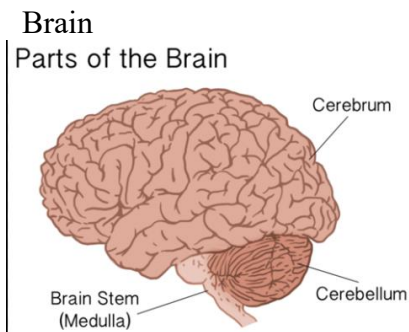
Answer:

The spinal cord is a long bundle of nerves connected to the brain.

Role:

- Carries messages between the brain and body.
- Controls reflex actions.
- Helps in body movements.

31.



32.

Herbivores	Carnivores
Eat plants	Eat flesh
Flat teeth	Sharp teeth
Cow, Deer	Lion, Tiger

33.

- Fish breathe through gills, which take oxygen from water.
- Adult frogs breathe through their skin underwater.
- Frog tadpoles breathe through gills.

OR

Spiracles are tiny openings on the sides of an insect's body. Air enters through them into tubes called tracheae, which carry oxygen to all body parts.

SECTION – D (4 Marks Each)

34. Case Study

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

(ii) Safety rules at school

- Walk; do not run in corridors.
- Use playground equipment carefully.

(iii) Safety rules at home

- Do not touch electrical switches with wet hands.
- Keep away from fire and sharp objects.

OR

(iv) Items kept in a First Aid Box

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

35. Case Study

(i) Physical changes are changes in which only the size, shape, or state changes. No new substance is formed.

(ii) Chemical change.

(iii) Two examples of physical changes

- Melting of ice
- Boiling of water

OR

(iv) Two examples of chemical changes

- Burning paper
- Rusting of iron

36. Case Study

(i) Sternum

(ii) 12 pairs

(iii) In front: Sternum

- At the back: Backbone

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. Agriculture is the practice of growing crops and raising 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

OR

Plants growing by budding and leaves

Budding: A small bud grows into a new plant.

Example: Bryophyllum.

Growing from leaves: New plants grow from leaves.

Example: Bryophyllum.

38.

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

Diagram:

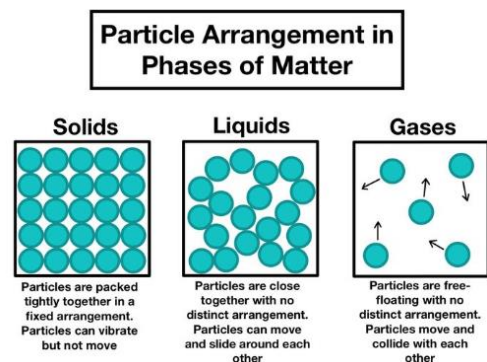


OR

Formation of petroleum

1. Dead plants and animals settled under the sea.
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.



OR

(a) Boiling

Boiling is the process in which a liquid changes into a gas on heating.

Water + Heat $\rightarrow$ Steam

(b) Condensation

Condensation is the process in which a gas changes into a liquid on cooling.