



B.K. BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY/CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL



Term-1 Examination 2025-26

SCIENCE

CLASS V

Marking scheme

1. a
2. d
3. b
4. d
5. b
6. b
7. b
8. b
9. d
10. b
11. d
12. d
13. b
14. b
15. c
16. d
17. c
18. b
19. a
20. b

21. The process by which seeds are carried to faraway places is called seed **dispersal**.

Dispersal by WaterCoconut seeds are found inside the coconut fruit. It floats on water and is carried away to different places. Lotus seeds are also dispersed by water.

1+1

22. Diseases that spread from one person to another are known as communicable disease.Common cold & Malaria.

1+1

23. A fractureis a break or crack in a bone. Keep the fractured area still using a cloth sling or splint, and get the personto the hospital immediately.

1+1

Or

In case of a sting by an insectsuch as a bee or a wasp, immediatelyremove the stinger if it is visible and thenapply ice to the affected area.

24. Igneous and sedimentary rocks undergo changes due to heat and pressure. This leads to the formation of metamorphic rocks. The word 'metamorphic'comes from the Greek word metamorphe, meaning 'change of form'. Ex. Marble , Slate & Gneiss

1+1

25. It is the tongue that helps you sense different tastes such as sweet, sour, bitter, and salty. The surface of the tongue has many taste buds. These taste buds detect different tastes and send signals to the brain with the help of nerves. This enables the brain to identify the taste.

1+1

26. We know that birds have wings that help them fly. The front limbs of birds have changed into wings and are connected to their bodies by strong muscles. These muscles help birds move their wings while flying.

1+1

27. Mosquitoes and some other insects can spread germs through their bites. Let us understand this with an example. Malaria is caused by a protozoan, which is a type of germ. When a mosquito bites someone who has malaria, it takes in the protozoa with the blood. Then, if that mosquito bites a healthy person, it can pass the protozoa to them, causing the healthy person to get malaria.

1+1+1

28. a. Goiter

b. Due to deficiency of Iodine

c. no It can not spread because it is non communicable disease

1+1+1

29. **Skeletal System**•The skeletal system is made up of bones and joints.•It protects internal organs, gives shape and support to the body, and helps in different types of movements.•The main parts of the skeletal system are the skull, backbone, ribcage, limb bones, and girdles.

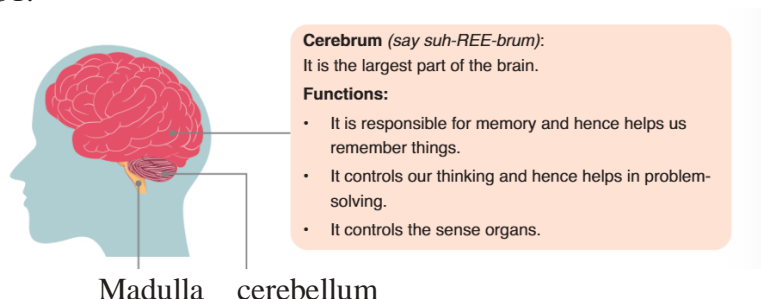
1+1+1

30.**Spinal Cord** Just like the skull protects the brain.The vertebral column protects the spinal cord. It is a tube-like structure that starts from the medulla and ends at the lower end of the backbone.

Functions:•The spinal cord helps in transferring messages between the brain and the rest of the body.•It also controls the actions that are not under the control of the brain.

1+1+1

31.



1+1+1

32.Herbivores are animals that primarily eat plants, while carnivores primarily eat other animals (meat). Herbivores have specialized teeth and digestive systems for processing plant matter, whereas carnivores have teeth and digestive systems suited for consuming and digesting meat

1+1+1

33. Fish primarily breathe underwater using gills to extract dissolved oxygen from the water, while frogs, though they can breathe through their skin and lungs, rely on gills only in their larval stage (tadpoles). Adult frogs primarily breathe air using lungs and can also absorb some oxygen through their skin when it's moist.

1+1+1

Or

Spiracles are small openings on an insect's body that act as the entry and exit points for air in the insect's **respiratory system**, called the **tracheal system**. Since insects lack lungs, they rely on these openings and the network of tubes (tracheae) to deliver oxygen to their cells and remove carbon dioxide.

34. i. First aid is the immediate care given to an injured person before taking them to a doctor

ii. **Always Walk, Don't Run in Hallways** · Follow the School Bus Safety Guidelines ·

iii. We must keep gas and fuel pipes in good condition and check for leaks frequently. We must not get electrical appliances wet. We should prevent overloading or overheating of electrical appliance

Or

Gauge, Painkiller, scissor, antiseptic cream etc..

1+1+2

35. i. In physical change, the properties of a substance, such as the state, size, or shape, change
(ii) chemical change

(iii) ice change into liquid, tearing papers

Or

(iv) Milk into curd, burning paper

1+1+2

36.i. Muscles are attached to bones by strong structures called tendons.

(ii) Bones and muscles work together to help you do different movements, such as lifting your school bag or picking up an object

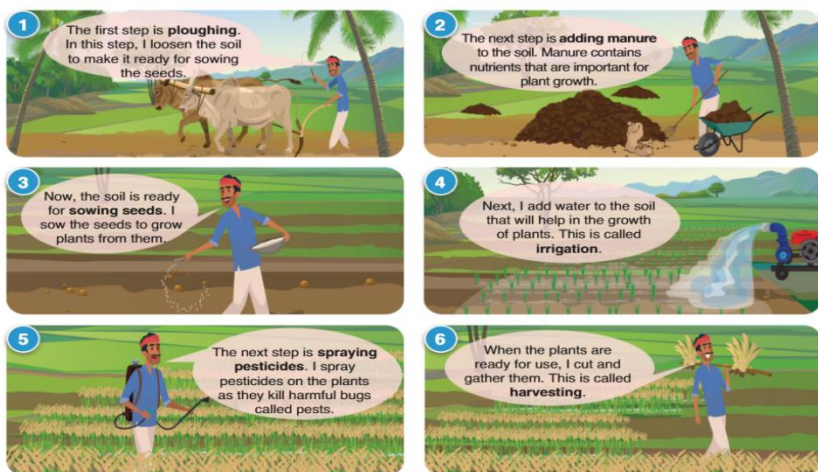
(iii) The muscles in your body that are under your control are called voluntary muscles. Skeletal muscles are voluntary muscles.

Or

(iv) The muscles in your body whose movement is not under your control are called involuntary muscles. Cardiac (say KAR-dee-ak) muscles

1+1+2

37. The growing of plants in large quantities for food and other purposes is known as agriculture

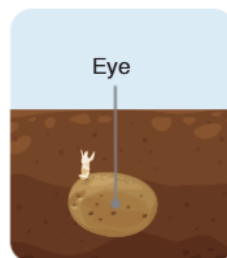


1+2+2

Or

Budding

Potatoes and ginger have small buds on their surface called 'eyes'. Each eye can grow into a new plant if it is planted in good soil and watered regularly.



Potato with eyes

Growing Plants from Leaves

Plants like Bryophyllum have buds on their leaves. These buds fall on the ground and under suitable conditions, they grow into new plants. Cactus also grows from its leaf.

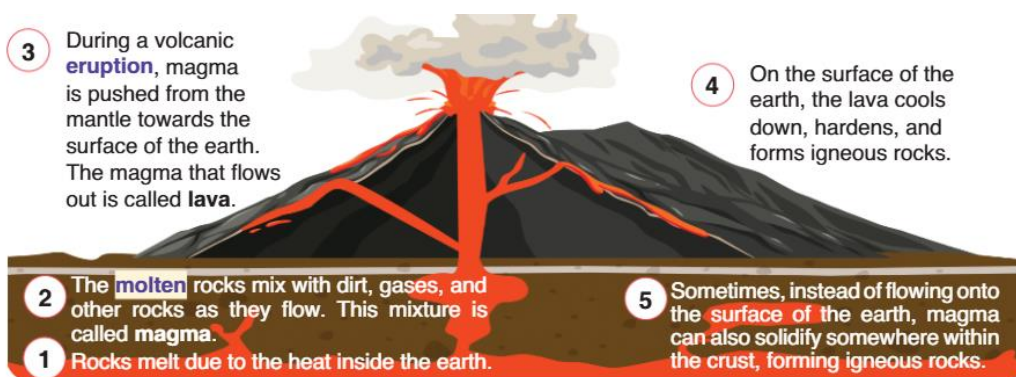


Bryophyllum leaf



Bryophyllum plant

38. The word 'igneous' comes from the Latin word ignis, which means fire. We know that the inside of the earth is very hot. Let us see what happens to rocks because of the heat

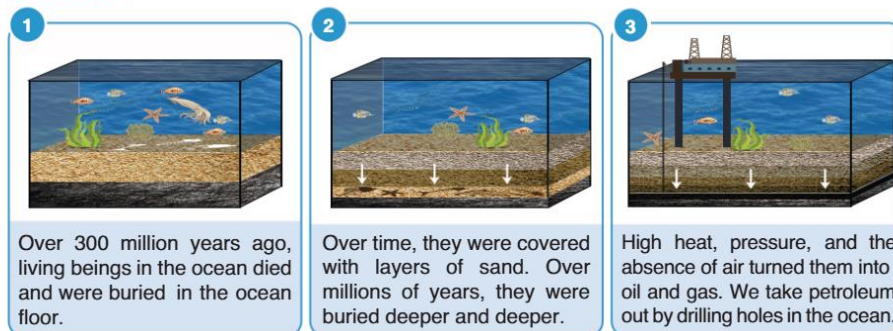


Ex. Granite and Pumice

1+2+2

Or

Petroleum



39. Solvent + solute = solution

Solid Dissolved in Liquid

This type of solution is formed when a solid solute is dissolved in a liquid solvent. Salt solutions and sugar solutions are some examples of such solution. The resulting solution will be in a liquid state.



Salt solution

Solute:
Salt (Solid)

Solvent:
Water (Liquid)

Liquid Dissolved in Liquid

This type of solution is formed when a liquid solute is dissolved in a liquid solvent. Lemonade is an example of such solution. The resulting solution will also be in a liquid state.



Solute:
Lemon juice (Liquid)

Solvent:
Water (Liquid)

Gas Dissolved in Liquid This type of solution is formed when a gaseous solute is dissolved in a liquid solvent. Soda water is an example of such solution. The resulting solution will be in a liquid state.

Or

The process by which a liquid changes to a solid is called freezing or solidification. The temperature at which a liquid starts freezing is known as its freezing point. Let us look at what happens when we cool a liquid.

When a liquid, such as water, is cooled, its particles start losing heat.

. The process by which a liquid changes to a gas is called boiling. Let us look at what happens when we heat a liquid.

When a liquid such as water is heated, its particles gain heat and start moving away from one another.

The process by which a gas changes to a liquid is called condensation.

1+2+2