



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
Date: 05/09/25
Admission no:

Time: 3hour
Max Marks: 80
Roll no:

General Instructions:

- i. This question paper consists of 39 questions in 5 sections.
- ii. Section A consists of 20 multiple choice questions carrying 1 mark each.
- iii. Section B consists of 6 Short Answer questions with 2 marks each.
- iv. Section C consists of 7 Short Answer questions with 3 marks each.
- v. Section D consists of 3 Case study Based questions with 4 marks each.
- vi. Section E consists of 3 Long answer questions with 5 marks each.

SECTION A (1 Mark)

1. Which of the following plants grows from a root?
(a) Carrot (b) Ginger (c) Rose (d) Potato
2. Which of the following is not a step in agriculture?
(a) Ploughing (b) Irrigation (c) Harvesting (d) Stem cutting
3. Goitre is caused by a deficiency of
(a) calcium (b) iodine (c) vitamin B (d) iron
4. Which food item is a good source of proteins?
(a) Bread (b) Butter (c) Mango (d) Egg
5. Which mineral is important for healthy bones and teeth?
(a) Iron (b) Calcium (c) Iodine (d) Potassium
6. Which of the following actions should you take when treating a burn injury?
(a) Remove any clothing stuck to the burned area (b) Rub the burned area with a cloth
(c) Cover the burn with a dirty cloth (d) Run cool water over the burn
7. What is a common treatment for a sprain?
(a) Apply heat immediately (b) Apply ice to reduce swelling
(c) Cover it with a bandage (d) Rub it to make it go away
8. What should you do if you have a nosebleed?
(a) Tilt your head back and lie down

- (b) Pinch your nose with a cloth dipped in cold water
 (c) Blow your nose hard (d) Put a cold pack on your forehead
9. Which of the following is used for making floors?
 (a) Coal (b) Slate (c) Sandstone (d) Marble
10. Which rock is used for making foot scrubbers, soaps, and concrete blocks?
 (a) Granite (b) Pumice (c) Slate (d) Obsidian
11. Which of these is an example of a metallic mineral?
 (a) Coal (b) Petroleum (c) Water (d) Cuprite
12. Which of the following is an example of gas dissolved in gas solution?
 (a) Soda water (b) Sugar solution (c) Lemonade (d) Air
13. The structure that is made up of 22 bones and rests on our neck is:
 (a) ribs (b) skull (c) backbone (d) arm
14. The 33 bones in the backbone are called:
 (a) Skull (b) vertebrae (c) ribs (d) leg
15. There are about _____ muscles in the human body.
 (a) 300 (b) 540 (c) 650 (d) 754
16. Which of the following is NOT a part of the nervous system?
 (a) Nerves (b) Brain (c) Spinal cord (d) Joints
17. Which part of the brain connects the brain to the spinal cord?
 (a) Cerebrum (b) Cerebellum (c) Medulla (d) Nerves
18. Which part of the brain helps us balance our body during activities such as walking?
 (a) Cerebrum (b) Cerebellum (c) Medulla (d) Nerves
19. Which of these animals have paddle-like limbs?
 (a) Turtles (b) Lizards (c) Fish (d) Frogs
20. Which of the following use only their hind limbs to move around?
 (a) Dogs (b) Humans (c) Birds (d) Snakes

SECTION – B (2Marks)

21. What is seed dispersal? Explain seed dispersal by water.
22. Define communicable diseases. Give two examples of communicable diseases.
23. What first aid measures would you provide to a person in case of a fracture?

Or

What first aid will you give to a person who has been stung by a bee?

- 24. What are metamorphic rocks? Give two examples of metamorphic rocks.
- 25. How does the tongue help us taste food?
- 26. How have the front limbs of birds changed to help them move from one place to another?

SECTION – C (3Marks)

- 27. How do mosquitoes spread malaria? Explain
- 28. Look at the image given on the right and answer the following questions.
 - (a) What disease does the person in the picture have?
 - (b) How did they get it?
 - (c) Can it spread to someone who shares food with them?



- 29. Write three points on the importance of the skeletal system.
- 30. What is spinal cord? What is the role of the spinal cord in the nervous system?
- 31. Draw and label the diagram of parts of Brain.
- 32. Differentiate between Herbivores and Carnivores. Give two examples of each.
- 33. How does breathing in fish and frogs differ underwater?

Or

How do spiracles help insects breathe?

SECTION – D (4 Marks)

34. Case study Based:

You have learned about safety at school and home. If we do not follow safety rules, we might get hurt. If you get a small injury, do you go to the doctor right away? No, you will get first aid. First aid is the immediate care given to an injured person before taking them to a doctor. To give first aid, we keep everything needed to treat small injuries in a box or a bag. This is called a first aid box,

- (i) What is first aid?
- (ii) What safety rules we need to follow at school.
- (iii) What safety rules we need to follow at home.
- Or
- (iv) Mention the items kept in the First Aid Box.

35. Case study Based:

We know that ice melts on heating. Here, only the state of the water changes from solid to liquid. The substance, water, remains the same. In physical change, the properties of a substance, such as the state, size, or shape, change. No new substance is formed during a physical change. What happens when we burn a sheet of paper? The size of the paper decreases, and the paper gets converted into ash and smoke, which are new substances. A chemical change forms a new substances

- (i) What are physical changes?
- (ii) In which change new substances are formed?
- (iii) Write two examples of physical changes?
- Or
- (iii) Write two examples of chemical changes?

36. Case study Based:

We have learned that our body has different bones and joints that form the skeletal system. But do you think we can run and play just by using our bones? Bones cannot move on their own and need help from muscles. Muscles are attached to bones by strong structures called tendons. Bones and muscles work together to help you do different movements, such as lifting your school bag or picking up an object. Muscles also help in the movement of blood in your body. There are about 650 muscles in the human body, and each muscle is responsible for a particular movement. Some muscles move only when we want them to, whereas there are some that move on their own and are not under our control.

- (i) What are tendons?
- (ii) Write function of bones and muscles.
- (iii) What are voluntary muscles? Write one example
- Or
- (iv) What are involuntary muscles? Write one example

SECTION – E (5 Marks)

37. What is agriculture? Describe the different steps of agriculture.

Or

How can a plant grow from budding and from leaves? Give one example of each

38. How are igneous rocks formed? Give two examples of igneous rocks.

Or

Explain the stages involved in the formation of petroleum.

39. Define a solution and explain its different types.

Or

Write a brief explanation for each of the following:

- (a) Boiling
- (b) Freezing
- (c) Condensation

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