

**ARMY PUBLIC SCHOOL SHILLONG**  
**ANNUAL EXAMINATION (2022-23)**  
**CLASS VI**  
**SUBJECT: SCIENCE**

**Time allotted: 2hrs 30minutes**

**Maximum Marks:80**

**General Instructions:**

- i) The question paper consists of 39 questions in 5 sections.*
- ii) All questions are compulsory.*
- iii) Section A consists of 20 Objective type questions, which includes fill in the blanks, true and false, one word and MCQs. All carrying 1 mark each.*
- iv) Section B consists of 6 very short answer type questions carrying 02 marks each. Answers to these questions should be in the range of 30 to 50 words.*
- v) Section C consists of 6 short answer type questions, carrying 3 marks each. Answers to these questions should be in the range of 50 to 80 words.*
- vi) Section D consists of 5 long answer type questions, carrying 4 marks each. Answers to these questions should be in the range of 80 to 100 words.*
- vii) Section E consists of 2 long answer type questions, carrying 5 marks each. Answers to these questions should be in the range 100 to 120 words.*

**SECTION- A**

**Fill in the blanks with the correct answer:**

- Q1. 4 kilometres are equal to \_\_\_\_\_metre. 1
- Q2. Hand span is not \_\_\_\_\_ unit of a length. 1
- Q3. The place where two or more bones meet and allow movement is called\_\_\_\_\_. 1
- Q4. \_\_\_\_\_has shell on its body and crawls on the layer of mucus. 1
- Q5. Our body is a \_\_\_\_\_conductor of electricity. 1

**State whether the following statements are true or false:**

- Q6. The process of changing water vapour into vapour is evaporation. 1
- Q7. Excessive rains may cause drought. 1
- Q8. Plastic bags decompose quickly in soil and enhance soil fertility. 1
- Q9. We should turn off main switch when there is a short circuit in our home. 1
- Q10. A reflected image gives us more information about the object than a shadow. 1

**Answer the following in one word:**

- Q11. The phenomenon of bouncing back of light by a highly polished surface. 1
- Q12. The method of making compost from kitchen garbage using red worms. 1
- Q13. The layer of air around the Earth. 1
- Q14. A device that is used to make or break the electric circuit. 1
- Q15. A place or environment where an organism lives. 1

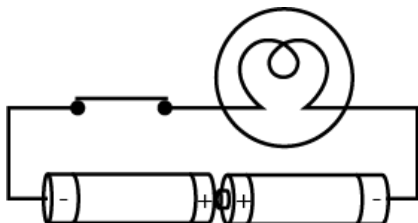
**Write the correct answer from the options given:**

- Q16. How many terminals are there in a dry cell? 1  
(one, two, three)
- Q17. Similar poles of a magnet \_\_\_\_ each other. 1  
(attract , repel , no change)
- Q18. An apple falling from a tree is an example of 1  
(rectilinear motion, rotatory motion, circular motion)
- Q19. 25 cm are equal to 1  
(250mm,25mm,2.5mm)
- Q20. Which among the following is an example of an insulator? 1  
(metal key, eraser, thermocol)

### SECTION –B

**Answer the following questions:**

- Q21. The handles of the tools like screwdrivers and pliers used by electricians for repair work usually have plastic or rubber covers on them. Explain why. 2
- Q22. Name all the 4 types of joints with one example each. 2
- Q23. What are the ways by which we can conserve water? 2
- Q24. How do plants and animals help each other in exchange of gases in the atmosphere? 2
- Q25. Give one example of periodic motion and rotatory motion. 2
- Q26. Would the bulb glow in the circuit given below: Give reason. 2



### SECTION- C

**Answer the following questions:**

- Q27. Write the difference between luminous and non-luminous object. Give examples. 3
- Q28. Why were SI units developed? Write its advantages. 3
- Q29. Do you think it is better to use compost instead of chemical fertilizers? Why? 3
- Q30. How will you prove that air supports burning? 3
- Q31. How is cactus adapted to survive in a desert? 3
- Q32. Write the various uses of magnet. 3

### SECTION- D

**Answer the following questions:**

- Q33. What is a Shadow? How is it formed? What are the characteristic features of a shadow? 4

- Q34. Explain the differences between the adaptive features of camel with that of animals living in mountain regions. 4
- Q35. What is air pollution? What are its causes? 4

#### **CASE STUDY BASED QUESTION**

- Q36. **Read the case study given below and answer the questions that follow:** 4

One day Rahul, Renu, Sonu and Preeti were playing in the park. Suddenly Rahul fell and injured himself. All his friends decided to take him to the nearby hospital. After getting first aid, he was sent for an X-ray examination to find out about any possible injuries. After examining his report, the doctor told him that he was perfectly fine and there was only minor injury. He also explained the skeletal system to the children. He told them that the human skeleton comprises of the skull, the back bone, ribs and the breast bone, shoulder and hipbones, and the bones of hands and legs.

Children thanked the doctor for all the important information he shared and went home happily.

1. Why do Doctors suggest for an X-ray examination?
2. What is a fixed joint?
3. What is cartilage?
4. Write any two function of skeleton?

- Q37. **Read the case study given below and answer the questions that follow:** 4

According to a legend, Magnet was first discovered in Ancient Greece by a shepherd named Magnes. While taking his goats and sheep for grazing to a mountain, he used to carry a stick with a small piece of iron attached to it. One day his stick got attracted to a rock, and it was hard for him to pull it back. Greeks named this strange type of rock 'magnetite'.

Not all objects are attracted to magnets. There are two types of poles in every magnet, irrespective of its shape. There are several uses of magnet in our day to day life. Magnets need to be handled carefully or else they could lose their magnetic properties.

1. Name the natural magnet.
2. Write any two properties of a magnet.
3. What will happen if we break magnet into two pieces?
4. What are the ways by which magnet loose its properties?

#### **SECTION- E**

**Answer the following questions in detail:**

- Q38. Is garbage disposal the responsibility only of the government? What steps should be taken to reduce the problems relating to disposal of garbage? 5
- Q39. Explain in detail the process of water cycle with the help of diagram. 5

