

**Bhavan's Tripura Vidyamandir**

2<sup>nd</sup> Terminal Examination (2024 –2025)

**Class:-6**

Time: - 3 hours

**Subject: Science**

Total: - 80 Marks

Name of the student:

Roll:

Sec:

**General Instruction:**

**Section A** contains 20 questions (1 to 20) each carries 1 mark.

**Section B** contains 9 questions (21 to 29) each carries 2 marks.

**Section C** contains 9 questions (30 to 38) each carries 3 marks.

**Section D** contains 3 questions (39 to 41) each carries 5 marks.

**SECTION- A**

**Fill in the blanks:-**

1. We see things because of \_\_\_\_\_ of light.
2. The cell in a mobile phone is \_\_\_\_\_ cell.
3. If you suspend a bar magnet, it will rest in the \_\_\_\_\_ direction.
4. Grouping of objects is called \_\_\_\_\_.

**Write True/False for the following statements:-**

5. Beriberi is caused due to the deficiency of Vitamin A.
6. A circular magnet has no poles.
7. As we move up, the density of air increases.
8. Aluminium utensils do not have lustre.

**Give one word for each of the followings:-**

9. Name the process through which waste gets removed from the body of living things.
10. Define hydrophytes.
11. Mention the name of the chemical that is used for protein test.
12. Which type of gas is necessary for combustion and respiration.

**Match the following:-**

**A**

13. Lotus leaf
14. Shadow shortest
15. Like poles
16. Scurvy

**B**

- i) Lack of vitamin C
- ii) Always repel
- iii) Waxy coating
- iv) Sun just above the head

**Choose the correct option :-**

17. Which of these would be smooth to touch?  
a. Jute                      b. Sandpaper              c. Windowpane              d. Coir
18. Which of the following gas is present in the largest amount in the air?  
a. Noble gases              b. Nitrogen              c. Oxygen              d. Carbon dioxide
19. A pencil dipped in water appears to bent due to-  
a. Refraction              b. Reflection              c. Both              d. None
20. Which of the following nutrients is not present in milk?  
a. Protein              b. Vitamin D              c. Vitamin C              d. Calcium

## **SECTION- B**

**Answer the following questions :-**

21. (a) Write the full form of LED.  
(b) What is filament?
22. Draw an aquatic heterotroph & label its adaptation.
23. (a) Mention the name of some animals that can detect the magnetic field of our earth?  
(b) Mention the name of natural magnetic stone.
24. Define Adaptation & camouflage.
25. Why it is advice not to touch switches with wet hands or bare foot?
26. Why does a Sponge become heavy on dipping in water?
27. Differentiate between close circuit & open circuit.
28. Mention two differences between conductor & insulator.
29. Why do some organisms hibernate in desert?

## **SECTION- C**

**Answer the following questions :-**

30. Define air pollution. Mention two consequences of air pollution.
31. What features does a deer have to protect it from lion?
32. List some ways in which air is useful to us.
33. (a) Name the vitamin required for maintaining good eye sight.  
(b) Define nutrients. [1+2]
34. (a) Name two immiscible liquids.  
(b) Write down the differences between miscible & immiscible liquids. [1+2]
35. Draw diffused reflection & regular reflection and distinguish between them.
36. (a) Define windmill.  
(b) Why air is called a matter though we cannot see it? [1+2]
37. Draw a diagram of a torch circuit in OFF position with bulb not glowing and a diagram of ON position that the bulb glowing with labelling.
38. Why do mountaineers carry special oxygen cylinder with them?

## **SECTION- D**

**Answer the following questions in broad :-**

39. How will you show that water has oxygen dissolve in it? With diagram. [3+2]
40. (a) Draw 4 types of magnets with proper labelling/name.  
(b) Mention the functions of magnetic compass. [2+3]
41. (a) Why is tumbler not made with a piece of cloth?  
(b) Define classification. Why it is so important to classify things? [2+3]