

Bhavan's Tripura Vidyamandir
1st Terminal Examination: (2025-2026)

Class:- 6

Time:- 3 Hours

Roll:

Name of the student:

Subject:- Science

Total :- 80 Marks

Sec:

GENERAL INSTRUCTIONS:

- There are 41 questions in this question paper.
- SECTION A consists of 20 questions carrying 1 mark each.
- SECTION B consists of 9 very short-answer questions carrying 2 marks each.
- SECTION C consists of 9 short-answer questions carrying 3 marks each.
- SECTION D consists of 3 long-answer questions carrying 5 marks each.
- All questions are compulsory.

SECTION - A

Choose the correct option from the following:

1X4 = 4

1. Which of the following diseases is caused by a deficiency of proteins?
a) Goitre b) Beriberi c) Kwashiorkor d) Scurvy
2. Water is immiscible with
a) lemon juice b) oil c) milk d) vinegar
3. The ends of a magnet are called:
a) Magnetic poles b) Magnetic points
c) Magnetic tips d) Magnetic edges
4. Which is the most suitable instrument to measure the girth of a tree?
a) Ruler b) Vernier caliper c) Measuring tape d) Thermometer

State whether the following statements are true or false.

1X4 = 4

5. Science helps us understand the natural world around us.
6. Aluminium utensils do not have lustre.
7. Evaporation can be used to obtain salt from seawater.
8. Calcium is required for strong teeth and bones.

Fill in the blanks.

1X4 = 4

9. North pole of two magnets _____ each other.
10. The Metric system of units was first developed in _____.
11. During metamorphosis, a caterpillar transforms into a _____.
12. Sand is _____ in water.

Answer the following questions.

1X4 = 4

13. Name two sources of vitamin B complex.
14. Name the hardest substance found in nature.
15. State two examples of periodic motion.
16. What is the name of the first magnet of the world?

Case study

Rina, a Class 6 student, loved eating only chips and sweets every day. She often skipped fruits, vegetables, and milk. After a few months, she started feeling weak and tired. Her doctor told her she had an iron deficiency, which caused anaemia. Rina was advised to follow mindful eating – eating a balanced diet with proper nutrients. She began eating leafy vegetables, fruits, and pulses regularly. Slowly, her health improved.

Read the above case and answer the following questions: -

1X4 = 4

17. What deficiency disease did Rina suffer from?
18. Name one iron-rich food Rina should eat to recover.
19. What are nutrients?
20. What habit did Rina change to improve her health?

SECTION - B

Answer the following questions.

2X9 = 18

21. Define dietary fibre with examples.
22. State two differences between mass and volume.
23. Draw two sources of vitamin A and vitamin B1 with names.
24. How is science like solving the jigsaw puzzles?
25. State two differences between threshing and winnowing.
26. What is Earth's magnetism? How does it help in finding direction?
27. Mention two importance of measurement.
28. Draw different types of magnets with names.
29. In what situations would you use decantation instead of filtration to separate solids from liquids?

SECTION - C

Answer the following questions.

3X9 = 27

30. State three differences between sedimentation and decantation.
31. Define magnetic material. Write down two differences between a temporary magnet and an artificial magnet. (1+2)
32. State three precautions that should be taken while using a metre scale to measure the length of an object.
33. Draw an activity for the separation of a mixture by filtration with labelling.
34. Define food miles. Why is it necessary to reduce food miles? (1+2)
35. What is the reason for our Earth being a unique planet in our solar system? What will we explore with the help of a science book? (2+1)
36. Explain why standard units are used for measuring length instead of body parts? Define motion. (2+1)
37. Write three properties of a magnet.
38. You need to have containers for the collection of- i. food waste ii. broken glass and iii. waste paper. Which materials will you choose for containers of these types of waste? What properties of material do you need to think of? (1+1+1)

SECTION - D

Answer the following questions.

5X3 = 15

39. a. Define winnowing. (1)
b. Draw a well-labelled diagram of an activity showing the process of winnowing. (2)
c. Write down two basic differences between churning and filtration. (2)
40. a. Explain through an activity on attraction and repulsion of magnets. (3)
b. Write down two important applications of magnets. (2)
41. a. Mention two benefits of a balanced diet. (2)
b. Define deficiency disease with an example. (2)
c. Name the disease that occurs due to a lack of Iodine. (1)