

Bhavan's Tripura Vidyamandir
1st Periodic Assessment: (2025-2026)

Class:- 8

Time:- 2 Hours

Name of the student :

Subject: Science

Total : 50 Marks

Roll: Sec:

GENERAL INSTRUCTIONS

- There are 29 questions in this question paper.
- SECTION A consists of 20 questions carrying 1 mark each.
- SECTION B consists of 3 very short answer questions carrying 2 marks each.
- SECTION C consists of 3 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 answer:-

1. Which of the following is not a traditional irrigation method?

- a. Moat b. Chain pump c. Lever system d. Drip system

2. If you were a farmer, which of the following methods would you use to separate good quality and viable grains from a heap of grains after harvest?

- a. Checking the weight of grains.
b. Checking grains under sunlight for pores.
c. Immersing the grains in water.
d. Sowing seeds and waiting for germination.

3. In India, which association advises people on saving petrol or diesel while driving?

- a. Petroleum Conservation Research Association (PCRA)
b. Coal Conservation Research Association (CCRA)
c. Eco-driving advice
d. Petroleum Conservation As

4. State the SI unit of pressure -

- a. Newton b. Pascal c. Coulomb d. Meter

5. Leaves or fruits fall on the ground due to

- a. magnetic force b. gravitational force
c. electrostatic force d. muscular force

Fill up the blanks :-

6. The first step before growing crops is _____ of the soil.

7. Least polluting fuel for vehicles is _____.

8. Process of separation of different constituents from petroleum is called _____.
9. To stretch the bow, the archer applies a force that causes a change in its _____.
10. To draw water from a well we have to _____ at the rope.

Write true or false for the following statements:-

11. Soil erosion is brought on by ploughing.
12. Fertilizer is a natural substance prepared by the decomposition of animal excreta.
13. Coke is almost a pure form of carbon.
14. Fossil fuels can be made in the laboratory.
15. A charged body attracts another charged body due to gravitational force.

Answer in very short :-

16. What are weedicides?
17. Name one harvest festival.
18. Write one use of Bitumen.
19. What is carbonisation?
20. What is the contact force?

SECTION B

Answer the following questions:-

21. Why do farmers grow leguminous crops after harvesting cereals?
22. What are petrochemicals? Write one use of paraffin Wax.
23. A force of 100 N is applied on an area of 4 m². Compute pressure being applied on the area.

SECTION C

Answer the following questions:-

24. If wheat is sown in the kharif season, what would happen? Discuss.
Give one example of each. (a) Kharif crop (b) Rabi crop. (1+1+1)
25. Why is petroleum called "Black Gold"? List two major products obtained from petroleum. (1+1+1)
26. Define Force. A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad. (1+1+1)

SECTION D

Answer the following questions :-

27. Explain how fertilisers are different from manure. Describe two methods of irrigation which conserve water. (3+2)
28. What are fossil fuels? Define renewable and Non-renewable resources with example. Write one use of coal? (1+1.5+1.5+1)
29. Give examples of situations in which you push or pull to change the state of motion of objects. Why school bags are provided with broad straps and not with thin straps? Write the formula to find out pressure. (2+2+1)