

Bhavan's Tripura Vidyamandir

1st Periodic Assessment - (2024-2025)

Class:- 8

Time:- 2 hours

Name of the student :

Subject: Science

Total :-50 Marks

Roll: Section:

All questions are compulsory

- 1) All the questions from Q1 to Q4 carry 1 mark each
- 2) Questions 5,6,7 will carry 2 marks each
- 3) Questions 8,9 10 will carry 3 marks each
- 4) Questions 11,12,13 will carry 5 marks each

Q1. Choose the correct one

1X5=5

- (a) The process of loosening or turning of soil is called
- (i) Sowing (ii) tilling (iii) Harvesting (iv) winnowing
- (b) What do we use for making compost?
- (i) Animal & plant waste (ii) plastic dust
- (iii) phosphoric acid (iv) urea
- (c) Which of the following is not a fossil fuel?
- (i) Coal (ii) petroleum (iii) natural gas (iv) solar energy
- (d) The modern irrigation system is
- (i) Rahat (ii) Dhekli (iii) sprinkler (iv) moat
- (e) The first step before growing of crop is
- (i) Sowing (ii) weeding (iii) preparation of soil (iv) threshing

Q2. Fill the following gaps with suitable words

1X5=5

- (a) For growing of crops sufficient sunlight, ----- and ----- from the soil are essential. (1+1)
- (b) A charged body-----an uncharged body towards it (1)
- (c) The process of separation of different constituents from petroleum is called----- (1)
- (d) The damage seeds would----- on water (1)

Q3. Write if the following, are true or false

1X5=5

- (a) Fossil fuel can be made in laboratory
- (b) CNG is more polluting fuel than petrol
- (c) Coal tar is a mixture of various substances
- (d) The pressure exerted by air around us is not known as atmospheric pressure
- (e) Manure provides lot of humus to the soil

Q4. Answer the following questions in short

1X5=5

- (i) Write SI unit of pressure
- (ii) Name two harvest festival
- (iii) What is carbonisation?
- (iv) Define force
- (v) What is coal tar?

Answer the following in brief

2X3=6

- Q5.** If wheat is sown in kharif season what would happen? Discuss
- Q6.** Write two advantages of using CNG and LPG as fuel
- Q7.** If a rocket has been fired upwards to launch a satellite in its orbit, name two forces acting on the rocket immediately after leaving the launching pad

Answer the following questions as instructed

3X3=9

- Q8.** Write 3 differences between fertiliser and manure
- Q9.** Explain why fossil fuels are exhaustible natural resources?
- Q10.** Write 3 uses of coal

Answer the following in detail

5X3=15

- Q11.** (i) Draw a seed drill and sickle
- (ii) Give 2 examples of Kharif crop
- (iii) Explain the term weeding (2+1+2)
- Q12.** (i) Define renewable and non-renewable resources with example
- (ii) Define acid rain
- (iii) Write one use of bitumen (2+2+1)
- Q13.** (i) Name the forces acting on the car sticking to an electro magnet in a junk yard,
Which one of them is larger?
- (ii) Define pressure
- (iii) Give 2 examples of each situations in which you push or pull to change the state of motion of an object (2+1+2)