

**Q.I] Choose the correct answer from the options given below:**

**[7]**

- 1) Which is an advantage of friction?
  - a) Sole of shoes wear out
  - b) Friction enables to write on paper
  - c) Friction enables to walk on the ground.
  - d) Both (b) and (c)
  
- 2) Which device will be used to measure the length of your drawing room?
  - a) Ruler
  - b) Measuring tape
  - c) Beam balance
  - d) None of the above.
  
- 3) \_\_\_\_\_ is the innermost layer of Fruit.
  - a) Pericarp
  - b) Mesocarp
  - c) Epicarp
  - d) Endocarp
  
- 4) If two objects repel each other, then both must be magnets.
  - a) True
  - b) False
  
- 5) Our weight on the earth remains the same on the moon.
  - a) True
  - b) False
  
- 6) Electromagnets are used in many appliances like:
  - a) Refrigerators
  - b) Vacuum cleaner
  - c) Loudspeakers
  - d) All of these
  
- 7) Which is difficult to ride a bicycle on? Why?



**a**



**b**

- a) Rough surface like sand, produces More friction
- b) Rough surface like sand, produces No friction
- c) Rough surface like sand, produces less friction
- d) None of these

**Q.II] Fill in the blank:**

**[5]**

- 1) 72 cm = \_\_\_\_\_m.
- 2) The SI unit of time is \_\_\_\_\_.
- 3) In order to prevent the magnet from getting demagnetized, a piece of iron called a \_\_\_\_\_ is placed across the poles of the magnet.
- 4) The part on the stem from which leaves arise is called \_\_\_\_\_.
- 5) 1 gram = \_\_\_\_\_ mg.

**Q.III] Match the following:**

[5]

Column A	Column B
1) Artificial magnet	a) Loadstone
2) Sliding friction	b) Develops into shoot
3) Plumule	c) Horse Shoe magnet
4) S.I unit of Force	d) Movement of skis on the snow
5) Natural Magnet	e) Newton
	f) Dyne

**Q.IV] Give two examples of each of the following:**

[4]

- 1) Magnetic substances – \_\_\_\_\_ : \_\_\_\_\_
- 2) Dicot seeds – \_\_\_\_\_ : \_\_\_\_\_
- 3) Rolling friction – \_\_\_\_\_ : \_\_\_\_\_
- 4) Compound leaf – \_\_\_\_\_ : \_\_\_\_\_

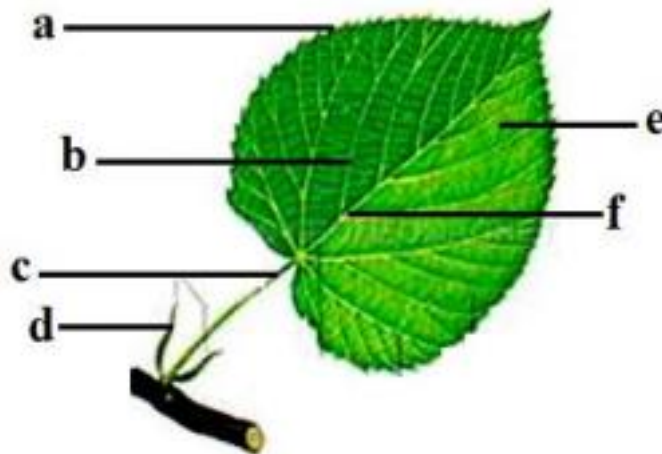
**Q.V] Differentiate between the following: (1 point each)**

[2]

- 1) Permanent and Temporary magnet.
- 2) Reticulate and Parallel venation.

**Q.VI] Label the following diagram and answer the following questions:**

[3]



- 1) Label the following parts: a, c, d and f
- 2) State one function of leaf.

**Q.VII] Answer the following questions:**

[4]

- 1) Mention any two effects of force.
- 2) Define Mass and write its S.I unit.
- 3) State any two characteristics of magnetic field lines.
- 4) Which are the three conditions required for germination of a seed?

\*\*\*\*\*