



1. SHORT ANSWER QUESTIONS: (1 x 6 = 6)
 - a) Name an instrument which is used to detect the charge on an uncharged object.
 - b) What are crops? Give examples.
 - c) Define the term pseudopodia.
 - d) Name the repeating units of cotton.
 - e) We should limit the uses of coal and petroleum. Why?
 - f) Electric plugs and plug boards are made of thermosetting plastics. Why?

2. SHORT ANSWER QUESTIONS: (2 x 6 = 12)
 - a) Differentiate between paper and plastics. (any 2)
 - b) Explain with the help of an activity that unlike charges attract each other.
 - c) What are weedicides? Give 2 examples.
 - d) Suggest one word.
 - i) Green Plastids.
 - ii) It is formed by collection of tissues.
 - iii) Empty structure in the cytoplasm.
 - iv) Units of inheritance present on the chromosome.
 - e) Differentiate between cell wall and cell membrane. (any 2)
 - f) Rana wants to buy shirts for summer. Should he buy cotton clothes or shirts made from synthetic material? Advise Rana, giving your reason.

3. ANSWER IN DETAIL: (3 x 4 = 12)
 - a) Suggest 3 measures to protect ourselves from lightning.
 - b) Name the scale on which the destructive energy of an earthquake is measured. An earthquake measures 5 on the scale. Would it be recorded on the seismograph? Is it likely to cause any damage?
 - c) How is manure different from fertilizer? Any 3 points.
 - d) Make the sketch of human cheek cell and label it properly. What is the living substance of the cell? What does it includes?

4. LONG ANSWER QUESTIONS: (5 x 2 =10)
 - a) Answer the following:
 - i) The first step before growing crops.
 - ii) If wheat is sown in kharif season, what would happen?
 - b) What is crop rotation?
 - c) Give one word
 - i) Providing water to crops.
 - ii) A process of separating grain from chaff.
 - d) Explain the process of formation of petroleum. Give 4 guidelines by PCRA to save petrol while driving.

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