

# Question Bank

## Mechanical Tissues in Plants

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- 1. Discuss the distribution of mechanical tissues in dicot stem and monocot stem with figures.
- 2. Write short notes on the following with suitable sketches
  - a. Distribution of mechanical tissues in roots
  - b. Distribution of mechanical tissues in leaf
- 3. What do you mean by Mechanical tissues? State their function/ importance in different groups of plants.

- Write a short note on tissues providing mechanical support in plants with figures.
- Discuss the principles governing the distribution of mechanical tissues in plants.
- Name some plants where mechanical tissues are absent.
- Why are mechanical tissues donot develop in hydrophytes?

- State the differences between
- Parenchyma and collenchyma
- Collenchyma and sclerenchyma
- Why is it difficult to break a group of strands?
- Name some thick walled dead cells which give strength to the plant.
- State the basic principal for the distribution of mechanical tissues.

- What is inflexibility?
- What do you mean by girders? Explain with suitable sketches.
- What is Inextensibility?
- What do you mean by shearing stress?
- What is Incompressibility?
- State the distribution of mechanical tissues in stilt roots and prop roots?