SAVITRIBAI PHULE PUNE UNIVERSITY , PUNE S.Y.B.Sc. Botany (Sem-III) SUBJECT Plant Physiology Botany (Bo-232) Pepar-II

PowerPoint Presentation

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Contents ... Credit-I

1.Introduction to Plant Physiology

2.Absorption Of Water

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4.Transpiration

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Unit 1. Introduction to Plant Physiology 1.1 Plant Physiology -

Plant Physiology the most challenging, dynamic and modern discipline of botany, deals with the various metabolic processes and pathways in plants and microbes.

" the study of various functions performed by plants" e.g. seed germination etc.

Plant physiology deals deals with the study of organisation and operation of all the physiological, biochemical and enzymological processes.

physiology also called as experimental

botany.

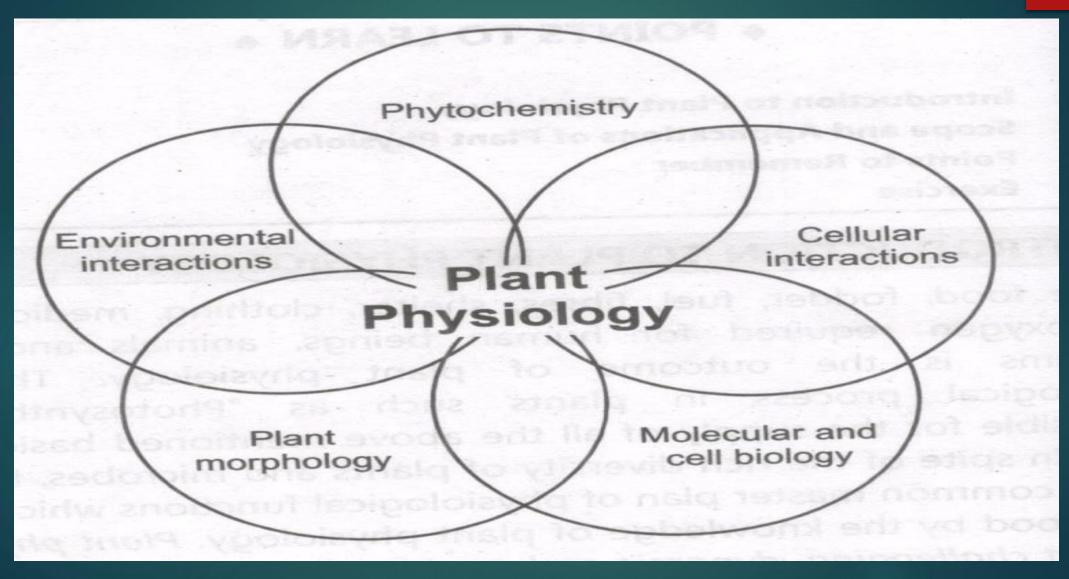
Plant metabolism mainly catabolism and anabolism is studied under plant physiology which is concerned with every aspect of plant life.

- * How they use solar energy ?
- * How they obtain and distribute water and nutrients ?
- * How they grow and develop ?
- * How they respond to the environment ?
- * How they produce flowers, fruits and seeds ?
- * How seeds germinate and from new plants ?

This Science essentially finds applications in the fields of –

BiophysicsBiotechnologyBiochemistryMolecular biologyAnatomyCytologyGeneticsEcologyetc.

Scope and applications of plant physiology



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