Babylon University ,College of Science ,Department of Biology

Lectures of Plant anatomy for second stage

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Syllabus of Plant anatomy

Introduction -

Plant cell -

(living and non living component )

Non –living component -

Cell wall ,pits ,vacuoles ,crystals , aleurone grains

,starch ,oil droplets

Living components -

Cytoplasm ,endoplasmic reticulum ,nucleus ,ribosome

nucleus , mitochondria , collegi appertus ,vescicles

Tissues and tissue system -

Meristematic tissue

permanent tissue

Simple permanent tissue -

Parenchyma tissue

collenchyma tissue

sclerenchyma tissue

-compound permanent tissue

Xylem

Phloem

-Tissue system

Dermal tissue system -

Epidermis ( and indumentum )

Periderm

-Ground tissue system

Cortex ,pith ,pith rays ,ground tissue

Vascular tissue system

Primary and secondary xylem

Primary and secondary phloem -

Secretory tissue system

Primary plant body

root ,stem ,leaf

- secondary growth

ordinary secondary growth

anomalus secondary growth

adaptation

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