

قسم تقنيات النباتات الطبية والنوافذ الطبيعية/ مفردات المنهج

المرحلة الأولى

الفصل الدراسي الثاني

شرح نبات نظري

Delivery Plan (Weekly Syllabus)

Week	Material Covered
Week 1	Division of meristematic tissue
Week 2	Division of permanent tissues
Week 3	Skin (functions, types of skin cells)
Week 4	Layers of epiderm (cork, cork cambium, secondary cortex)
Week 5	Parenchymal tissue, sclerenchymal tissue
Week 6	Wood texture
Week 7	Bark texture
Week 8	Secretory cells and tissues
Week 9	Internal structure of the root
Week 10	Internal structure of the leg
Week 11	Internal structure of the sheet
Week 12	Secondary thickening
Week 13	Secondary xylem and phloem
Week 14	Periderm
Week 15	The internal structure of the plant and its relationship to the environment
Week 16	Exam

شرح نبات عملي

Delivery Plan (Weekly Lab. Syllabus)

week	Material Covered
Week 1	Installation of an electron and optical microscope
Week 2	Identify the materials and tools used in dissection

Week 3	Prepare temporary glass slides
Week 4	Preparing permanent glass slides
Week 5	Preparing permanent glass slides
Week 6	Examination of cell wall components
Week 7	Examination of plant cell organelles
Week 8	Examination of some types of cells and tissues
Week 9	Displaying posters explaining the types of clicks and crystals and their drawing
Week 10	Anatomy of root, stem and leaf
Week 11	Watch and draw the types of human hairs and appendages
Week 12	Watch and draw the shapes of starch granules and parenchyma cells
Week 13	Identify the types of parenchymal cells, secondary thickening, and types of pitting
Week 14	Identify the types of wood and the stages of secondary growth
Week 15	Identify the naked and covered seeds
Week 16	Exam