

## مقرر مورفولوجيا وتشريح نبات Plant Morph & Anatomy

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على الطالب اختيار موضوع واحد فقط:

1-Reproduxation in plants

(seed structure – types – vegetative reproduction – sexual reproduction )

2-Seeds and seed germination

( seed structure in monocts and dicots – changes occure during Germination – types of germination – factors)

3-Morphology of plant leaf

(leaf base, petiole, blade – forms and modifications of leaves)

4-Adapation of plants to ecological conditions

(Hydrophytes – Mesophytes – Xerophytes )

5-Role of buds in growth and reproduction of plants

(definition of bud – structure – classification – apical dominance – role )

6-Plant cell as a unit of plant structure

(Biotic and abiotic cell components – structure and function of organel)

7-Role of meristematic tissues in plant development

(Definition – characters of meristematic cell – types and distribution )

8-Mechanism of support in plants

(supporting tissues – collenchyma – sclerenchyma fibers – xylem vessiles )

9-Anatomy and importance of vascular tissues of plant

(definition – xylem elements and function – phloem elements and function – types of vascular bundles)

10-Adaptation of plant anatomy to ecological conditions

(adaptation in structure of some plant organs to ecological conditions )