**Salahaddin University – Erbil.**

**College of Agricultural engineering sciences**

**Field Crop dept.**

**Subject: General Botany**

**Stage: First (1)**

**Time: By Move**



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| **Q1\ The Phloem tissues consisted of: (10marks)**   1. **.** 2. **.** 3. **.** 4. **.** |
| **Q2/** What is the **(modified leaves)** in these plants**. (10Marks)**  **1-**  **2-** |
| **Q3**/  **Define only (2) of the following:** **(10Marks)**   1. **Mitochondria.** 2. **Cytoplasm.**      1. **Flower.** |
| **Q4/ What types of these roots? (10Marks)**  **1.**  **2.** |
| **Q5/A- Identify the leaf arrangement of this sample. (5 Marks)** |
| **Q5/B-**  **The**  **External secretors includes: (5 Marks)**  1-  2- |
| **(5 Marks)**  **Q6/A-This cross section of - - - - - - - - - - - - - - - - - - - - - - - - - - - - - .** |
| **(5 Marks)**  **Q6/B- This cross section of - - - - - - - - - - - - - - - - - - - - - - - - - - - - - .** |
| **Q7/A-Draw the figure Opened Collateral Vascular Bundle. (5 Marks)** |
| **Q7/B- Draw the**  **Metaphase (mitosis) (5 Marks)** |
| |  |  |  | | --- | --- | --- | | **Objects** | **Monocotyledon** | **Dicotyledon** | | **Epidermis** |  |  | | **Mesophyll** |  |  | | **motor cells** |  |  |   **Q8/** Differentiate between **(Monocot & Dicot ) leaf** with help by this table. **(10Marks)** |
| **Q9/ What is the modified stem of these samples? (10Marks)**  1.  2. |
| **Q10/**  **Fill in the blanks with the suitable terms: (10Marks)** |

**Mr. Serwan T. Al-dabbagh Mrs. Firas Dheiya Al-otraqchi**

**Assistant lecturer Assistant lecturer**