**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)** |
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| **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)**  |

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