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| **Salahaddin University-Hawler**  **College of Agricultural Engineering Sciences**  **Depart: Field Crops** |  | **Subject: Plant Physiology Pr.**  **Class : 3rd Stage**  **Time: (1:30) hours** |

**First Monthly Exam 30/11/2020**

**Q1/ A/ Define five (5) of the following terms:**

1. Imbibition 2. The plant 3.The Chloroplast 4. Osmosis 5. Plasmolysis 6. Diffusion

**B/ Why we study plant Physiology?**

**Q2/Write the function of these organelles:**

|  |  |
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| **Organelles** | **Function** |
| 1.Ribosome |  |
| 2.Mitochondrion |  |
| 3.Cell wall |  |
| 4.Nucleus |  |
| 5.ER |  |

**Q3/Elucidate the following:**

1. Simple tissues types?
2. Plant organ systems?
3. Proteins types?
4. Endoplasmic reticulum (ER) types?
5. Meristematic tissues types?

**Q4/ A/What are the differences between hypertonic, hypotonic and isotonic?**

**B/ Briefly explain the effect of temperature stress on cellular membranes?**

**Good Luck.....**

**Assit. Lecturer Media Nofel Mohammed Lecturer Dr.Kawa Abdulkareem**