

LAWRENCE COLLEGE, GHORA GALI, MURREE.
SYLLABUS AND HOMEWORK FOR VACATIONS

Class: O-II Subject: Biology

Chapter: 09 and 10

Topics to be studied at home during Vacations

- 1- Vascular tissues (Xylem and Phloem).
- 2- Anatomy of Dicot and Monocot stem.
- 3- Anatomy of Dicot and Monocot root.
- 4- Translocation of Organic food.
- 5- Using Aphids in translocation studies.
- 6- Use of Isotopes in translocation studies.
- 7- The entry of water into the plant.
- 8- Diffusion and Active transport in the absorption of dissolved mineral salts.
- 9- Adaptation of root hair cell to absorption.
- 10- Root pressure and capillarity in water transport.
- 11- Transpiration.
- 12- The importance of Transpiration.
- 13- Factors affecting the rate of Transpiration.
- 14- Wilting (Advantages and Disadvantages).
- 15- Respiration and its types.
- 16- Some uses of energy.
- 17- Tissue Respiration, Gas exchange and Breathing.
- 18- Gaseous exchange in Humans.
- 19- Respiratory system in Human.
- 20- Breathing mechanism (Inspiration and Expiration).

Class O-II (Mr.Ali Akbar... aliakbarbiologist@yahoo.com)03009368697