

Syllabus-Practical (Zoo-109)

Weeks	Description of exercise
1	Microscope: To acquaint the student with the use and care of microscope. Preparation of slides to observe the animal and plant cells.
2	Cell Structure: To familiarize the students with the general structure of the cell seen through the light microscope and acquaint them with some of the variations existing among cells (Size and shape).
3	Mitosis: To aid the students in recognizing chromosomes and various stages in mitotic division.
4	Meiosis: To study meiosis and compare the events of mitosis and meiosis with special emphasis on chromosome number and to explain the necessity for meiotic division in sexually reproducing organisms.
Histology	
5	Striated muscle, cardiac muscle, hyaline cartilage, neuron, T.S. in the spinal cord, T. S. in the artery, T. S. in the vein.
6	Detail structure of: T.S. in the esophagus of rabbit, T.S. In the stomach of rabbit, T.S. in the liver of rabbit.
7	Detail histology of: T.S. in the testis of rabbit. T.S. in the Ovary of rabbit, L.S. in the kidney of rabbit.
8	FIRST EXAM
Dissection of the rat and blood group	
9	To introduce the student to blood group serology in determining the ABO and Rhesus blood group systems. Determine the genotypes of different blood groups.
10	External features and general viscera with special reference to alimentary canal.
11	The reproductive system (male and female) including supporting glands.
12	The venous circulatory system.
13	The arterial circulatory system.
14	Nervous system & endocrine glands (if there is time)
15	SECOND EXAM