

Practical Syllabus of 103 Zoo

Weeks	Description of Exercise
1	Description of different types of microscope, usage and their care Preparation of animal and plant cell slides and see them under the microscope Find the differences between them
2	Study the mitotic cell division through prepared slides
3	Study the different types of tissues <ol style="list-style-type: none"> 1. Epithelial tissue (Simple, compound and glandular 2. Connective tissue (Fibrous connective tissue, Hyaline cartilage, Blood vessel) 3. Muscular tissue (Skeletal and Cardiac) 4. Nervous tissue (Neuron and T>S> spinal cord)
4	Study the general structure of Amoeba proteus, Entamoeba histolytica, Paramecium caudatum, Trypanosoma gambiense, Plasmodium falciparum (Sporozoite, Amoebozoan and ring stage)
5	Study the general structure of the followings Sponges Hydra (male and female) Fasciola hepatica (Different stages of life cycle)
6	Study the general structure and stages of life cycle of the following worms Scistosoma mansoni and Scistosoma haematobium (Egg, miracidium, sporocyst, redia, cercaria, metacercaria) Tape worms (T. solium, T. saginata) Scolex, egg, immature segment, mature segment, gravid segment, Bladder worm)
7	Study the general structure of the followings Ascaris lumbricoides Earth worm Desert locust Sepia Star fish Medicinal leech
8	First Examination
9	External features of mice Structure of skin Digestive system
10	Urino-genital system of mice (male and female)
11	Circulatory system (Heart, arterial and venous system)
12	Nervous system (Brain, cranial and spinal nerves)
13	Skeletal System (Cranium, Pectoral and pelvic girdles, and Limbs)
14	Second practical Examination