

Department of Zoology

Zoology Lab (Code-P101)2.2

B. Sc. 2nd SEM

List of Experiments

Study of the following permanent stained preparations:

1. T.S pheretima (pharyngeal and typhlosolar regions), Setae, septal nephridia and spermathecae of pheretima
2. Trachea and mouthparts of cockroach.
3. Statocyst of palaemon
4. Glochidium larva of anodonta; radula and osphrdium of pila.
5. T.S star fish (arm)
6. T.S balanoglossus (through various regions).

Demonstration by C.D.:

1. Mouth part and trachea of periplanata(cockroach), radula of pila; pedicillarae of asterias.
2. Sets of earthworm, and mouth part of honey bee, house fly and cockroach.

Preperation of model of the different system of the following animals:

1. Earthworm: digestive, reproductive and nervous system.
2. Grasshopper/cockroach: digestive, reproductive and nervous system.
3. Pila: pallial complex, digestive and nervous system

Cell biology and genetics:

1. Salivary gland and polytene chromosomes of drosophila/chironomus.
2. Numerical based on three point test cross

Project :

1. **Survey-** diversity of particular family/taxa in your surrounding area
2. **Vermicomposting :** earthworm rearing and economics of the project
3. **Evolutionary significance** of larva belonging to different group of invertebrates



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