

PRACTICAL – I : INVERTEBRATA AND CHORDATA

Semester	Subject Code	Category	Practicals		Theory		Practical	Credits
			Hrs/ week	Total Hours/ Semester	Hrs/ week	Total Hours/ Semester		
II	21CZO21	Practical-I	3	45	-	-	45	3

I- MAJOR PRACTICAL

A. Invertebrata

DISSECTIONS- Prawn-Nervous System

B. Chordata-(Model/Chart).

Frog-Digestive system,

Male-Urino genital system,

Female-Urino genital system

Arterial system

Venous system

II.-MINOR PRACTICAL-MOUNTING

1.Mouth parts of cockroach, mosquito, honey bee and house fly

2. Earthworm Body setae

3. Prawn appendages

4.Shark – Placoid scale

III. SPOTTERS

A) ADAPTATIONS TO THEIR RESPECTIVE MODE OF LIFE

Entamoeba, Plasmodium, Sycon, Liverfluke, Taenia solium, Nereis, Limulus, crustacean larvae- Nauplius, Zoa, Star fish, Draco and Bat.

B) BIOLOGICAL SIGNIFICANCE

Obelia colony, Physalia, peripatus, Bipinnaria larva, Amphioxus, Shark, Arius, Axolotl larva, Hyla, Cobra (poison apparatus of cobra), Viper, Pigeon

C) RELATE STRUCTURE AND FUNCTION

Sponge spicules, gemmules, Taenia-scolex, Nereis-Parapodium, Prawn-appendages, star fish-Pedicellaria, placoid scale of shark, Quill feather of pigeon.

D) DRAW NEAT LABELED SKETCH

T.S. of Neries, T.S of liver fluke, obelia-medusa, T.S of Amphioxus, through pharynx, T.S. through an arm of sea star.

E) OSTEOLOGY

Study of the following skulls with reference to dentition – Dog, Rabbit, Man.

Pectoral girdles of Frog, Calotes, Pigeon, Rabbit.

Pelvic girdles of Frog, Calotes, Pigeon, Rabbit

Pigeon –synsacrum.