

BACHELOR OF SCIENCE in ZOOLOGY (HONS)
SEMESTER – II

Paper Code: ZOO-202P

25 marks

ZOO-202P: Practical on Functional Anatomy of Non-Chordata

Dissections: 7 marks

Nereis-digestive and nervous system Cockroach-digestive,

Reproductive and excretory systems.

Pila-digestive and nervous systems.

Study of permanent slides:

2 marks

Paramecium entire, conjugation, Monocystis, Euglena, Trypanosoma, L.S of Sycon, sponging fibres, Obelia colony, T.S of Ascaris (male and female), T.S of Fasciola and Taenia, Cercaria, Sporocyst and Redia of Fasciola, Scolex, mature and gravid segments of Taenia. Mouth parts of Anopheles, Housefly and cockroach, bed bug (W/M), Body louse (W/M), TS of gill of Pila, TS of arm of Star fish.

Study of Specimens:

5 marks

Sycon, Spongilla, Physalia, Porpita, Favia, Tubipora, Madrepora, Aurelia, Sea-anemone, Alcyonium, Taenia, Heteronereis, Aphrodite, Chaetopterus, Sabella, Leech, Bonellia, Spider, Limulus, Millepede, Centipede, Crab, Peripatus, Scorpion, Termite, Daphnia, Cyclops, Balanus, Chiton, Dentalium, Pearl Oyster, Limax, Nautilus, Octopus, Sepia, Loligo, Solen, Aplysia, Starfish, Antedon, Holothuria, Sea urchin, Brittle star.

Temporary mounts:

3 marks

Spicules and gemmules of sponge, Obelia colony, Ovary and spermatheca and septal nephridia of Earthworm, Parapoda of Nereis. Mouth parts of cockroach, housefly and mosquito. Radula of Pila, Daphnia, Cyclops, and Mysis.

Record Books

3 marks

Viva Voce

5 marks
