

PRACTICAL SYLLABUS for I – YEAR ZOOLOGY

(w.e.f. 2012-13)

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| I. | Study of Parts of a Compound microscope |
| II. | Study of Invertebrate slides and identification with giving Classification and reasons |
| 1. INVERTEBRATE SLIDES | |
| | 1. Amoeba (Whole mount) |
| | 2. Euglena (Whole mount) |
| | 3. Paramecium (Whole mount) |
| | 4. Hydra (Whole mount) |
| | 5. Liver Fluke (Whole mount) |
| 2. HISTOLOGICAL SLIDES | |
| | 1. Squamous Epithelium |
| | 2. Columnar Epithelium |
| | 3. T.S. of Cartilage |
| | 4. T.S. of Bone |
| | 5. Blood Smear of Mammals |
| | 6. Striated Muscles |
| | 7. Unstriated Muscles |
| III. | Study of Invertebrate Specimens and identification with giving Classification and reasons |
| 2. INVERTEBRATE SPECIMENS | |
| | 1. Euspongia |
| | 2. Aurelia |
| | 3. Metridium |
| | 4. Taenia solium |
| | 5. Ascaris – Male |

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| | 6. Ascaris – Female |
| | 7. Nereis |
| | 8. Leech |
| | 9. Earth worm |
| | 10. Scolopendra |
| | 11. Julus |
| | 12. Palaemon |
| | 13. Araenia |
| | 14. Palamneus |
| | 15. Unio |
| | 16. Silk moth/ Silk Worm |
| | 17. Honey Bee |
| | 18. Pila |
| | 19. Asterias |
| IV. | DISSECTIONS Note: No Dissection of live animals. The student has to draw the diagram of the system that is displayed or projected. |
| | 1. Earthworm – Digestive System |
| | 2. Earthworm – Nervous System |
| | 3. Earthworm – Sperm thecae |
| | 4. Cockroach – Mouth Parts |
| | 5. Cockroach – Digestive System |
| | 6. Cockroach – Nervous System |