

Life Science Lab-I

Course Code: BEB153

Contact Hours: 30

Credit: 1 (L-0, T-0, P-2)

MM: 50

Course Outline

1-Study of the following specimens:

Amoeba, Euglena, Plasmodium, Paramecium, Sycon, Hyalonema, and Euplectella, Obelia, Physulia, Aurelia, Tubipora, Taenia solium, Male and female Ascaris lumbricoides, Aphrodite, Nereis, Pheretima, Hirudinaria, Palaemon, Cancer, Limulus, Palamnaeus, Scolopendru, Periplaneta, Chiton, Dentalium, Pila, Unio, Loligo, Sepia, Octopus, Pentaceros, Ophiura, Echinus, Cucumaria and Antedon, Balanoglossus, Herdmania, Branchiostoma, Petromyzon, Sphyrna, Pristis, Torpedo, Labeo, Exocoetus, Anguilla, Ichthyophis/Ureotyphlus, Salamandra, Bulb, Hyla, Chelone, Hemidactylus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Gavialis, Any six common birds from different orders, Sorex, Bat, Funatnbulus, Loris

2. Study of transverse sections/chart of the following:

Sycon (as an example of Parazoa to show its structure, spicules and canal system), *Hydra* (as an example of diploblastic animal), *Fasciola* (as an example of triploblastic acoelomate animal), *Ascaris* (as an example of triploblastic pseudocoelomate animal), *Hirudinaria* (as an example of triploblastic schizocoelomate animal), Frog (as an example of triploblastic enterocoelomate animal).

3. Key for Identification of scales of fishes; poisonous and non-poisonous snakes.

4. Temporary/Permanent mounting of given material

5. An "animal album" containing photographs, cut outs, with appropriate write up about the above mentioned taxa. Different taxa/ topics may be given to different sets of students for this purpose.



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Head
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Registrar
Invertis University
Bareilly

Life Science Lab-1

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