

## SYLLABUS

COURSE NAME: PHYLUM MOLLUSCA

SECOND SEMESTER BSc. ZOOLOGY PROGRAMME

ZOOLOGY CORE COURSE- II (Theory)

ANIMAL DIVERSITY: NON-CHORDATA PART – II

Classification down to classes; Mention Nudibranchs and Nautilus.

Salient features of the following classes:

1. **Class Aplacophora** e.g. *Chaetoderma*
2. **Class Polyplacophora** (=Amphineura) e.g. *Chiton*
3. **Class Monoplacophora** e.g. *Neopilina*
4. **Class Gastropoda** e.g. *Turbinella*
5. **Class Bivalvia** (=Pelecypoda) e.g. *Perna*
6. **Class Scaphopoda** e.g. *Dentalium*
7. **Class Cephalopoda** (=Siphonopoda) e.g. *Sepia*

**Type:** *Pila globosa* [Apple Snail]

[Morphology, digestive system, respiratory system, blood vascular system, excretory system, nervous system, sense organs (osphradium in detail) and reproductive system].

**COELOMATE MINOR PHYLA:** Salient features of the following coelomate minor phyla; mention examples specified [structure and life history not required].

1. **Phylum Phoronida** e.g. *Phoronis*
2. **Phylum Ectoprocta** [Bryozoa] e.g. *Bugula*
3. **Phylum Echiura** e.g. *Bonellia*