



## SEMESTER-II

### COURSE 3: ANIMAL DIVERSITY-I BIOLOGY OF NON-CHORDATES

#### Learning objectives:

- To understand the taxonomic position of protozoa to helminthes
- To understand the general characteristics of animals belonging to protozoa to hemichordata
- To understand the structural organization of animals phylum from protozoa to hemichordata
- To understand the origin and evolutionary relationship of different phyla from protozoa to hemichordata
- To understand the origin and evolutionary relationship of different phylum from annelids to hemichordates

#### Learning Outcomes:

By the completion of the course the graduate should able to –

- Describe concept of animal kingdom classification and general characters of Protozoa
- Classify Porifera and Coelenterata with taxonomic keys
- Classify Phylum Platy & Nematelminthes using examples, parasitic adaptation
- Describe Phylum Annelida & Arthropoda using examples and economic importance of vermicomposting & economic importance of insects.
- Describe Mollusca, Echinodermata & Hemi chordata with suitable examples in relation to the phylogeny