

ANIMAL

KINGDOM 03



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MBC – Mridul Bhaiya Classes

B.Sc. 1st NOTES

ZOOLOGY NOTES

PART - 03

GENERAL CHARACTERISTICS AND CLASSIFICATION OF ASCELHELMINTHES AND ANNELIDA

TYPE STUDY – ASCARIS AND PHERETIMA

- ✓ Detailed notes
- ✓ PYQs with answers
- ✓ Graphics included



Zoology is the division of biology that deals with the animal kingdom. It is the scientific study related to the entire species of the animal kingdom.



UNIT – 03 (SEMESTER 1ST)

TOPICS TO BE COVERED

- A. General Characteristics and Classification of Phylum Aschelminthes or Nematelminths (Upto Class)
Nematelminths – Type study : Ascaris
- B. General Characteristics and Classification of Phylum Annelida (Upto Class)
Annelids – Type study : Pherentima

UNIT- 03

GENERAL CHARACTERISTIC AND CLASSIFICATION OF PHYLUM NEMATHELMINTHS TYPE STUDY - ASCARIS

General Characteristics

1. **Habitat** : Water, land, and as parasitic worms in body of vertebrate animals.
2. **Level of Organisation** : They exhibit organ system level of organisation
3. **Symmetry** : Bilateral Symmetry
4. **Germ layer** : Triploblastic organisation
5. **Body** : The body is slender and unsegmented. It is round covered with a tough, flexible cuticle that sheds as they grow and muscular layer.
6. **Coelom** : They are pseudocoelomates.
7. **Digestion** : Alimentary canal is complete as both mouth and anus are present.
8. **Circulation** : Circulatory system is absent
9. **Respiration** : Respiratory sytem is absent. It occurs through body surface via simple diffusion.
10. **Excretion** : Protonephridia are present in some. Two lateral canals unite near the anterior end to form a single tube ending in an excretory pore.
11. **Reproduction** : Animals are mostly unisexual. Male and female are separate.
12. Fertilisation is external and development is direct.



TYPE STUDY: ASCARIS
