ANIMAL

KINGDOM 03



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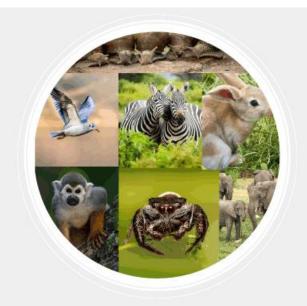


B.Sc. 1st NOTES ZOOLOGY NOTES

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 1^{ST})

TOPICS TO BE COVERED

A. General Characteristics and Classification of Phylum Ascelhelminthes or Nemathelminths (Upto Class)

Nemathelminths – 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.



