

NEMATODES

INTRODUCTION :

NEMATODE – *nema* : thread – **THREAD LIKE**

- SIZE - <5mm – 1meter
- Sexes are separate – **Diecious**

Female nematodes may be divided as :

- Oviparous
- Viviparous
- Ovo-viviparous

OVIPAROUS :

- *Ascaris lumbricoides*, *Trichuris trichiura* (unsegmented)
- *Ancylostoma duodenale*, *Necator americanus* (segmented)
- *Enterobius vermicularis*

VIVIPAROUS :

- *Dracunculus medinensis*, *Wuchereria bancrofti*
- *Brugia malayi*, *Trichinella spiralis*

OVO-VIVIPAROUS :

- Strongyloides stercoralis
- Infective stage - 3rd stage larvae

MODE OF INFECTION :

- Ingestion
- Penetration
- Blood-sucking insects

CLASSIFICATION

- **SYSTEMATIC CLASSIFICATION**
- **ON THE BASIS OF HABITAT**

On The Basis of Habitat

INTESTINAL

S.I – A.lumbricoides

- A.duodenale
- N.americanus
- S.stercoralis
- T.spiralis
- Capillaria philippinensis

L.I – E.vermicularis

- T.trichiura

SOMATIC

LYMPHATIC SYS -

- W.bancrofti,
B.malayi

S/C tissue – Loa loa

- Onchocerca volvulus
- D.medinensis

Body cavity –

- Mansonella perstans
- M.ozzardi

Conjunctiva – Loa loa