

Total No. of Printed Pages: 2

**SUBJECT CODE NO: - FF-6666**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**M.Sc. (Sem-II) (Zoology)**  
**Examination January-2023**  
**Helminthology II ZOO-206 Elective**

[Time: 3:00 Hours]

[Max. Marks:80]

Please check whether you have got the right question paper.

N. B

1. Part 'A' is compulsory.
2. Attempt any five questions from Part 'B'
3. Draw neat labelled diagram wherever necessary.

Part 'A'

Q1 Multiple choice questions

20

- i) Nematodes have three life cycle stages- eggs, larva and \_\_\_\_\_.  
 a) Onchosphere    b) Pupa    c) adult    d) Cercaria
- ii) Didelphic means nematode with \_\_\_\_\_.  
 a) one ovary    b) two ovaries    c) one testis    d) two testes
- iii) The amphids and phasmids nematodes are \_\_\_\_\_.  
 a) Photoreceptors    b) Chemoreceptors  
 c) Mechanoreceptors    d) Thermoreceptors
- iv) Another name of disease elephantiasis is  
 a) Dysentery    b) Necrosis    c) Nephretic Syndrome    d) Filariasis
- v) Pork worm is common name of \_\_\_\_\_.  
 a) Trichinella spiralis    b) Wucheraria bancrofti  
 c) Stroglyoides Stercoralis    d) Trichuris ovis
- vi) \_\_\_\_\_ is not the characteristic feature of nematodes.  
 a) Bilateral Symmetry    b) Pseudocoelome    c) Segmentation    d) Cephalization
- vii) The body cavity of nematodes is \_\_\_\_\_.  
 a) Gastro vascular    b) divided into two portions  
 c) Coelomate    d) Pseudocoelomate
- viii) All nematodes undergo \_\_\_\_\_ molts during their development.  
 a) one    b) two    c) three    d) four
- ix) First plant parasitic nematode was reported by \_\_\_\_\_.  
 a) Needham    b) Mayer    c) Cobs    d) Spallanzani

- x) Most of the plant parasitic nematodes belongs to order  
 a) Tylenchida b) Dorylaimida c) Aphelenchida d) Rhabelitida

## Part 'B'

- Q2 Give an account on feeding and nutrition of nematode with suitable example. 12
- Q3 What is stoma? Discuss about modifications in Oesophagus and tis associated glands. 12
- Q4 Describe morphology and pathogenicity of Wuchereria bancrofti. 12
- Q5 Describe life cycle and pathogenicity of Trichuris trichura. 12
- Q6 Give an account on citrus nematode, Add note on its management. 12
- Q7 Discuss in detail below ground symptoms of injury implants. 12
- Q8 Write short notes (any two) 12
- a) Morphology of strongyloides stercoralis
- b) Ecology of plant parasitic nematode.
- c) Cephalic patrillae.