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**SUBJECT CODE NO: - F-6237**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**M.Sc. (Sem –II) (Zoology (Old))**  
**Examination December/January-2022-23**  
**Elective Papers-II**  
**Helminthology-II 431**

[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 a neat labelled diagram whenever necessary.

**PART - A**

Q1 Attempt the following multiple choice questions.

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- 1) Wuchereria bancrofti is associated with \_\_\_\_
  - A) Chyluria
  - B) Hydrocele
  - C) Elephantiasis of the scrotum
  - D) All of the above
- 2) All can cause pulmonary eosinophilia except \_\_\_\_
  - A) Necator americanus
  - B) Ankylostoma duodenale
  - C) Trichinella spiralis
  - D) Ascaris lumbricoides
- 3) Which one of the following systems is most impaired in patients Wuchereria bancrofti infection?
  - A) Lymphatic system
  - B) Nervous system
  - C) Ocular system
  - D) Endocrine system
- 4) The intermediate host of Trichinella spiralis is \_\_\_\_
  - A) Sheep
  - B) Pig
  - C) Rabbit
  - D) Hen
- 5) All can cause pulmonary eosinophilia except \_\_\_\_
  - A) Necator americanus
  - B) Ankylostoma duodenale
  - C) Trichinella spiralis
  - D) Ascaris lumbricoides
- 6) The body of Nematodes typically covered by \_\_\_\_
  - A) Cuticle
  - B) Plasma membrane
  - C) Cell wall
  - D) None of these
- 7) Plant nematodes are \_\_\_\_
  - A) Pierce plant cell walls
  - B) Cut stem
  - C) Remove roots
  - D) Destroyed buds
- 8) Citrus nematodes are \_\_\_\_
  - A) Root knot nematodes
  - B) Tylenchulus
  - C) Beef nematodes
  - D) None of these
- 9) These are non-segmented worms \_\_\_\_
  - A) Fluke
  - B) Nematode
  - C) Cestode
  - D) Annelids

- 10) Anguina is a \_\_\_\_\_
- A) Hepatic nematodes
  - B) Seed gall nematode
  - C) Liver nematodes
  - D) None of these

**PART – B**

Attempt any five questions

- |   |    |
|---|----|
| Q2 Describe the Structure of lips and cephalic papillae of the nematodes. | 12 |
| Q3 Write a note on feeding and nutrition in nematodes.                    | 12 |
| Q4 Give an account of the life cycle of Wuchereria bancrofti.             | 12 |
| Q5 Describe the ecology of plant nematodes.                               | 12 |
| Q6 Write a note on the Bud and leaf Nematodes with one example.           | 12 |
| Q7 Describe the life cycle and pathogenicity of Trichenella spiralis.     | 12 |
| Q8 Explain seed gall nematodes with example                               | 12 |