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**SA—43—2025**

**FACULTY OF SCIENCE AND TECHNOLOGY**

**B.Sc. (Third Year) (Sixth Semester) EXAMINATION**

**MARCH/APRIL, 2025**

**(CBCS/New Pattern)**

**ZOOLOGY**

**Paper—II(B)—XV**

**(Applied Parasitology)**

**(Parasitic Nematodes and Arthropods)**

**(Thursday, 17-4-2025)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

**N.B. :-** (i) Attempt *all* questions.

(ii) Illustrate your answers with suitable labelled diagrams, wherever necessary.

1. Describe morphology, life cycle, pathogenicity and treatment of *Enterobius vermicularis*. 15

*Or*

(a) Give the morphology and pathogenicity of *Heterodera* (Cyst nematode) 8

(b) Explain the life cycle of *tylenchulus* (Citrus nematode) 7

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2. Describe morphology, life cycle, diseases and control measures of ticks. 15

*Or*

(a) Explain biological controls of insects. 8

(b) Describe mosquitoes as a vector in the transmission of dengue and elephantiasis. 7

3. Attempt any *two* out of four : 10

(a) Microfilaria

(b) General organization of plant Nematodes

(c) Botfly

(d) Morphology of Head louse.