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VA—43—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

ZOOLOGY

Paper—XV

(Applied Zoology : Applied Parasitology—II)

(Parasitic Nematodes and Arthropods)

(Saturday, 7-12-2024)

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, diagnosis and treatment of *Wuchereria bancrofti*. 15

Or

(a) Give the morphology and treatment of *Tylenchulus* (citrus Nematode) 8

(b) Explain life cycle of *Heterodera* (cyst Nematode) 7

2. Explain morphology, role as vectors of human diseases and control measures of housefly. 15

P.T.O.

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(2)

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Or

- (a) Describe chemical control of Insects. 8
- (b) Give morphology and pathogenicity of Anopleura (Head louse) 7
3. Attempt any *two* out of four : 10
- (a) Autoinfection and Retroinfection.
- (b) Pathogenicity and treatment of *Meloidogyne* (Root Knot Nematode)
- (c) Morphology of Bed Bug.
- (d) Control measures of mosquitoes.

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