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NY—170—2023

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(CBCS/New Pattern)

ZOOLOGY

Paper XIII-A

[Applied Parasitology–I (Microbes and Arthropods of Medical Importance)]

(Saturday, 9-12-2023)

Time : 2.00 p.m. to 5.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :- (i) Attempt All questions.

(ii) All questions carry equal marks.

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

1. Give an account of modes of transmission of AIDS. Add a note on symptoms and prevention of AIDS. 15

Or

Give an account of causative organism, transmission and pathogenesis of Cholera.

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2. Give a general account of Drug Therapy and drug resistance. 15

Or

Explain the basic techniques of Microbial Culture.

3. Give an account of morphology of parasitic Ticks. Add a note on their control. 15

Or

Describe the morphology and life cycle of *Sarcoptes scabiei*.

4. Give an account of parasitic Anoplura and their control. 15

Or

Give an account of morphology of parasitic Hymenoptera and explain their role in biological control.

5. Write short notes on any *three* of the following : 15

- (a) Candidiasis
- (b) Viral respiratory disease-Covid-19
- (c) Parasitic Fly-*Musca domestica*
- (d) Parasitic Siphonoptera.

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