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NEPNY—54—2023

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (NEP) (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

ZOOLOGY

Paper SZOOC-403

(Economic Zoology and Animal Behaviour)

(Tuesday, 26-12-2023)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—80

N.B. :— (i) Question No. 1 is compulsory.

(ii) Out of the remaining 5 questions (Q. No. 2 to Q. No. 6), answer any 3 questions.

(iii) All questions carry equal marks.

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

1. Answer each of the following :

20

(a) Give an account of Mosquitoes as vector of human diseases.

(b) Describe the life cycle of silk worm.

(c) Give an account of Thirst Drive.

(d) Write a note on visual communication.

P.T.O.

2. (a) Describe the structure and life cycle of *Taenia saginata*. 10
- (b) Describe the structure and life cycle of *Wuchereria bancrofti*. 10
3. (a) Give an account on Apiculture with special reference to bee keeping and its economic importance. 10
- (b) Give an account of management of fish farm. 10
4. (a) Describe different types of Innate Animal behaviour. 10
- (b) Describe different types of Acquired behaviour in Animals. 10
5. (a) Describe in detail social organization in insects. 10
- (b) Describe courtship and mating behaviour in animals. 10
6. Answer each of the following : 20
- (a) Give a brief note on *Entamoeba histolytica*.
- (b) Write a note on Pearl producing molluscs.
- (c) Give an account of sleep drive.
- (d) Explain in brief aggressive behaviour in animals.