

This question paper contains 2 printed pages]

PA—27—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

APRIL/MAY, 2024

(CBCS/New Pattern)

ZOOLOGY

Paper XIV

(Ethology, Biometry and Bioinformatics)

(Saturday, 13-04-2024)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

Note :— (i) Attempt *All* questions.

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

1. Describe acquired animal behaviour—imprinting and reasoning with examples. 15

Or

(a) Describe protective and aggressive colouration. 8

(b) Describe chemical communication. 7

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WT (2) PA—27—2024

2 Discuss applications of bioinformatics. 15

Or

(a) Describe methods of collection of data. 8

(b) Describe mean and mode with merits. 7

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

(a) Conditioning acquired animal behaviour

(b) Taxis-animal behaviour

(c) Histogram graphic representation data

(d) Internet and its uses.