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Y—105—2019

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2019

(CBCS Pattern)

ZOOLOGY

Paper XIV

(Ethology, Biometry and Bioinformatics)

(Thursday, 19-12-2019)

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 diagrams.

(iii) All questions carry equal marks.

1. Attempt any *four* of the following (2 marks each) :

8

(a) Honey bee worker

(b) Aggressive coloration

(c) Median

(d) Chronological data

(e) World wide web

(f) Pub Med

2. Attempt any *two* of the following (4 marks each) :

8

(a) Instincts

(b) Chemical communication

(c) Protective mimicry

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Describe social behavior in honeybees
 - (b) Discuss auditory and tactile communication.
4. Attempt any *two* of the following : 8
- (a) Geographical data
 - (b) Pie diagram
 - (c) Mean.
5. Attempt any *one* of the following : 8
- (a) Describe applications of bioinformatics.
 - (b) Describe graphical representation of data using histograms and polygon frequency curve.