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B—106—2019

FACULTY OF SCIENCE

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

MARCH/APRIL 2019

(CGPA Pattern)

ZOOLOGY

Paper XIV

(Ethology, Biometry and Bioinformatics)

(Saturday, 30-3-2019)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Attempt All questions.

(ii) Illustrate your answer with suitable diagram wherever necessary.

1. Write short notes on any *four* : 8
 - (a) Taxis
 - (b) Reasoning behaviour
 - (c) Primary data
 - (d) Mean
 - (e) Internet
 - (f) PubMed.
2. Write short notes on any *two* : 8
 - (a) Habituation
 - (b) Instinct animal behaviour
 - (c) Queen in honeybee
 - (d) Conditioning.
3. Write notes on any *two* : 8
 - (a) Tactile communication
 - (b) Chemical communication
 - (c) Protective mimicry
 - (d) Warning coloration.

P.T.O.

4. Write notes on any *two* :

8

- (a) Geographical data
- (b) Secondary data
- (c) Mode
- (d) Pie diagram.

5. Describe in detail any *one* of the following :

8

- (a) Computer and their applications in biology.
- (b) What is bioinformatics ? Describe various applications of bioinformatics.