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**B—105—2019**

**FACULTY OF SCIENCE**

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

**MARCH/APRIL 2019**

**(CBCS 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) All questions carry equal marks.*

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

1. Attempt any *four* of the following : 8
  - (a) Honeybee Queen
  - (b) Reasoning
  - (c) Aggressive mimicry
  - (d) Quantitative data
  - (e) NCBI
  - (f) Search engines.
2. Attempt any *two* of the following : 8
  - (a) Habituation
  - (b) Visual communication
  - (c) Protective colouration.
3. Attempt any *one* of the following : 8
  - (a) Describe tactile and chemical communication in animals.
  - (b) Describe social behaviour in Honeybees.

P.T.O.

- 4. Attempt any *two* of the following : 8
  - (a) Mode
  - (b) Polygon frequency curve
  - (c) Internet and its uses.
  
- 5. Attempt any *one* of the following : 8
  - (a) Describe mean and median as measures of central tendency.
  - (b) Describe applications of Bioinformatics.