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V—79—2017

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2017

ZOOLOGY

Paper XIV

(Ethology, Biometry and Bioinformatics)

(Tuesday, 14-11-2017)

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) Reasoning
 - (b) Honeybee queen
 - (c) Warning colouration
 - (d) Geographical data
 - (e) Mode
 - (f) Search engines.
2. Write notes on any *two* : 8
 - (a) Habituation
 - (b) Protective colouration
 - (c) Drone and workers of Honeybees
 - (d) Taxis behaviour.
3. Write notes on any *two* : 8
 - (a) Tactile communication

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- (b) Chemical communication
- (c) Agressive mimicry
- (d) Conscious mimicry.
4. Write notes on any *two* : 8
- (a) Mean
- (b) Pie diagram
- (c) Geographical data
- (d) Polygon frequency curve.
5. Describe in detail any *one* of the following : 8
- (a) Internet and their applications in Biology.
- (b) Applications of Bioinformatics.