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W—90—2018

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2018

ZOOLOGY

Paper XIV

(Ethology, Biometry and Bioinformatics)

(Saturday, 20-10-2018)

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 wherever necessary.

1. Write short notes on any four : 8

(a) Phototaxis

(b) Worker bee

(c) Mimicry

(d) Median

(e) Search engine

(f) Pub Med.

2. Write notes on any two : 8

(a) Round dance of honey bee

(b) Instincts

(c) Imprinting

(d) Worker honey bee.

3. Write notes on any two : 8

(a) Chemical communication

P.T.O.

- (b) Auditory communication
 - (c) Concious mimicry
 - (d) Aggressive coloration.
4. Write notes on any *two* : 8
- (a) Qualitative data
 - (b) Continuous data
 - (c) Mean
 - (d) Polygon frequency curve.
5. Write notes on any *one* : 8
- (a) Applications of bioinformatics
 - (b) Internet and its uses in biology.