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Y—113—2019

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2019

(CBCS Pattern)

ZOOLOGY

Paper-XII

(Ecology and Zoogeography)

(Friday, 20-12-2019)

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) Decomposers
- (b) Xerarch
- (c) Population density
- (d) Parasitism
- (e) Nuclear power
- (f) Desert adaptations.

2. Attempt any *two* of the following : 8

- (a) Sulphur cycle
- (b) Ecological pyramids
- (c) Population growth form
- (d) Mutualism.

P.T.O.

3. Attempt any *one* of the following : 8
- (a) Describe in detail aquatic ecosystem with suitable example.
 - (b) Describe in detail age distribution in population.
4. Attempt any *two* of the following : 8
- (a) Sources and effect of noise pollution
 - (b) Hydel power
 - (c) Volant adaptations.
 - (d) Physical features and fauna of Australian realm.
5. Attempt any *one* of the following : 8
- (a) Non-conventional energy resources.
 - (b) Explain ecological adaptations of animals in aquatic habitat.