



M.Sc. (FINAL) EXAMINATION, 2015-16

Zoology - II

(Environmental Biology and Ethology)

Attempt all five questions. All questions carry equal marks.

- 1) Write to the point on the following (not more than 40 words) :-
 - (i) Sensitive period
 - (ii) Shelford's Law
 - (iii) Reticular Formation
 - (iv) Karl Lashley
 - (v) Energy Flow
 - (vi) Overlapping of Niches
 - (vii) Zonation
 - (viii) Homeostasis
 - (ix) Altruism
 - (x) Konrad Lorenz.
2. Write only distinguishing points:-
 - (i) Imprinting
 - (ii) Energy Flow
 - (iii) Social Group
 - (iv) Sustainable Community
 - (v) Fixed Action Pattern
3. Differentiate between:
 - (i) Proximate and Ultimate mechanism
 - (ii) El Nino and La Nina
 - (iii) Habituation and Trial & Error
 - (iv) Niche and Ecotone
 - (v) Primer and Releaser effect.
4. Define, learning, instinct habituation, and conditioning. How to animals use conditioning in wild?
Give suitable examples.

Or

Describe adaptations in animals to survive in marine and estuarine ecosystem.
5. How do animals provide care to their young ones? Write full note.

Or

Explain dominance, fluctuation and succession in biotic community.

