

H-55022

Seat No. _____

M. Sc. (Part-I) Examination

April / May – 2003

Zoology : Paper - II
(Animal Diversity & Ecology)

Time : 3 Hours]

[Total Marks : 100

NB: All questions carry equal marks.
All questions are compulsory.
Illustrate your answers with neat diagrams wherever necessary

1. Describe: a). Factors influencing animal dispersion
b). Galapagos Islands

OR

1. Discuss the zoogeographical realms.
2. Give an account of: a). Parasitic adaptations in Platyhelminthes
b). Colonial protozoans and encystment

OR

2. Give an account of: a). Alternation of generation in Coelenterata
b). Evolutionary importance of Arthropoda
3. Describe: a). Population selection
b). Life tables and their significance

OR

3. Describe: a). Stratification in Biotic community
b). Sulphur cycle
4. Describe: a). Concept and classification of Ecosystem
b). Tundra Ecosystem

OR

4. Describe: a). Fauna in Fresh water Ecosystem
b). Zones and fauna in Marine Ecosystem

5. Write short notes on **any three** of the following:

- a). Exotic species
- b). Nephridia
- c). Cell types in Porifera
- d). Food webs
- e). Cursorial adaptations
- f). Productivity