

M.Sc. (Zoology) (CBCS Pattern) Third Semester
PSCZOOT11-8 / ZOO-XI - Special Group-Environmental Biology Paper-II
Adaptations Population Dynamics and Animal Behaviour

P. Pages : 1

Time : Three Hours



GUG/W/18/11324

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with well labelled diagrams wherever necessary.

1. Give details account on Bioluminescence in animals. 16

OR

Write notes on :

- a) Adaptations of animals with reference to light.
- b) Echolocation.

2. Describe in details account on Mimicry. 16

OR

Write notes on :

- a) Biological Clock
- b) Lunar Periodicity.

3. Describe in detail account on interspecific relationship in animals. 16

OR

Write notes on :

- a) Pattern of population distribution.
- b) Means of dispersal.

4. Give details account on Animal behavior. 16

OR

Write notes on :

- a) Aggregations and Social Organization.
- b) Advantages of Social behaviour.

5. Attempts the following. 16

- a) Thermoregulation.
- b) Buoyancy
- c) Population Fluctuations
- d) Learned behaviour.
