

**H-4/33/22**

Roll No. ....

**IV Semester Examination, 2022****M.Sc.****ZOOLOGY****Paper II****(Ecology and Environmental Physiology)**

Time : 3 Hours ]

[ Max. Marks : 80

**Note :** All questions are compulsory. Question Paper comprises of 3 sections. Section **A** is objective type/multiple choice questions with no internal choice. Section **B** is short answer type with internal choice. Section **C** is long answer type with internal choice.

**SECTION A****1×8=8****(Objective Type/Multiple Choice Questions)***Choose the correct answer :*

1. Aquatic animals which can tolerate only a narrow range of salinity are said to be :
  - (a) Eurythermal
  - (b) Euryhaline
  - (c) Stenohaline
  - (d) Stenothermal

2. Which of the following biotic interaction is useful for only one population is :
  - (a) Commensalism
  - (b) Parasitism
  - (c) Mutualism
  - (d) Protocooperation
3. Which gas will not cause any atmospheric pollution ?
  - (a) Carbon di-oxide
  - (b) Hydrogen
  - (c) Carbon mono-oxide
  - (d) Sulphur di-oxide
4. Main indicator of SO<sub>2</sub> pollution are :
  - (a) Lichens
  - (b) Algae
  - (c) Bryophytes
  - (d) Ferns
5. The casting off of a body part is called :
  - (a) Anotomy
  - (b) Autotomy
  - (c) Neoteny
  - (d) None of these
6. Organism capable of swimming & resting on the surface of water are termed :
  - (a) Neuston
  - (b) Nekton
  - (c) Plankton
  - (d) Benthos

P.T.O.

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**Unit-III**

3. Why birds are considered as master of air ?  
Describe various adaptations found in them.

*Or*

Describe different types of Terrestrial adaptations.

**Unit-IV**

4. Describe physiological response to oxygen deficient stress.

*Or*

Write notes on following in brief :

- (a) Hemological control of stress  
(b) Importance of yoga in stress management

★ ★ ★ ★ ★ c ★ ★ ★ ★ ★