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Total No. of Printed Pages : 3

Code No. : B02/405

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**Second Semester Online Examination, May-June, 2022**

**M. Sc. ZOOLOGY**

**Paper IV**

**ENVIRONMENTAL PHYSIOLOGY**

Time : Three Hours ]

[Maximum Marks : 80

**Note :** Part A and B of each question in each unit consist of 'very short answer type question' which are to be answered in one or two sentences. Part C 'Short answer type' and D 'Long answer type' of each question should be answered within the word limit mentioned.

**UNIT-I**

1. (A) Give an example of mimicry. **2**
- (B) What is Pre-adaptation. **2**
- (C) Write a note on acclimatization in High altitudes. *(word limit 200-250)* **4**

**OR**

Write the significance of Adaptation.

- (D) Write the mechanisms of adaptation. *(word limit 400-450)* **12**

**P.T.O.**

**OR**

What do you understand by Adaptive radiation and their importance.

**UNIT-II**

2. (A) Write any two adaptation for parasitic life. **2**
- (B) Physiological response of body exercise. **2**
- (C) Write the mechanisms of neural regulation of temperature. *(word limit 200-250)* **4**

**OR**

Write the basic concept of environment stress.

- (D) Write an essay on Role of Hormone during stress. *(word limit 400-450)* **12**

**OR**

Write the mechanism of Homeostasis.

**UNIT-III**

3. (A) What is stress. **2**
- (B) Write the importance of body exercise. **2**

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- (C) Write the importance of Hormones during stress. *(word limit 200-250)* **4**
- (D) Write the process of neural regulation of temprature. *(word limit 400-450)* **12**

**OR**

Explain the process of Homeostasis.

**UNIT-IV**

4. (A) Define osmoregulation. **2**
- (B) What is meditation. **2**
- (C) Write the effect of meditation in respiratory system. *(word limit 200-250)* **4**

**OR**

Write the process of Acid base Balance in Human.

- (D) Write the importance of yoga in different body activity. *(word limit 400-450)* **12**

**OR**

Write an essay on physiological response of oxygen deficiency.

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