



Damietta University

Faculty of Sciences - Environmental Sciences Dept.

First Semester Exam.

(Jan.2023) Time: 2 hours

Date: 4/1 /2023

Environmental Ecosystems 203E 2nd year (Credit hours)

(Environmental Sciences students)

Answer all the following questions

(Total mark 70 mark)

1- Define the Following

(24 mark)

- a - Euryhaline and Stenohaline animals
- b- Homeosmotic animals
- c- Saprophages
- d- Poikilotherms
- e- Photoperiodism
- f- Dormancy
- g- Heterotherms
- h- Autotrophic organisms

2- How does an animal's avoid the death by low temperature?

(16 mark)

3 - Discuss briefly of the following:

(30 mark)

- a- Mechanism of color change in fishes.
- b- Effect of pressure increasing in water medium.
- c- Regulations of body temperature in homeotherms when temperature of environment is below the body temperature.

**With my best wishes
Dr. Amany F. hasballah**