

Environmental Systems (203E)

For Second Year Environmental Sciences and Chemistry Students (credit hours)

Answer all following questions:

Total: 30 mark

Question 1:

(14 Marks)

Correct the underlined words in the following sentences?

- 1- Homeotherms have variable temperature including birds and reptiles
- 2- Tertiary consumers fed directly on producers
- 3- Temperature increase with increasing with depth in water
- 4- Chameleon has only nervous mechanism for color change.
- 5- The color responses of fishes depend on the skin
- 6- Eurythermal animals can tolerate a narrow range of temperatures
- 7- poikilotherms are primitive mammals such as spiny ant-eater

Question 2:

(8 Marks)

- **Explain the concept of different ecosystems and illustrate this with specific examples?**

Question 3:

Discuss briefly, the regulation of body temperature in homeotherms ? (8 Marks)

Associate prof. Amany Farid