



Damietta University

First Semester Exam 2024

(c) Explain the biological indicators? Give some examples. (5 marks)

(c) Explain the environmental importance of fungi. Illustrate with drawing: *Saccharomyces*, *Rhizopus* and *Penicillium*. (15marks)

Question [2].

[20 Marks]

(a) What are the major types of enzymes? Give some examples. (5 marks)

(b) Discuss briefly the anaerobic respiration and fermentation processes. (10 marks)

(c) What are the importance of biogeochemical cycles? Give some examples. (5 marks)

Question [3].

[20 Marks]

(a) What are the following terms ? Soridium, NADPH, Nucleotide, ATP, DNA and FAD. (12 marks)

Faculty of Science

Environmental Sciences Department

Date: 21 January

Time allowed:

**Environmental Biology Examination for SECOND LEVEL of
Environmental Sciences and Env. Sc. / Chemistry Students' (Course Cod**

Answer All the Following Questions:

Question [1].

(a) Illustrate the ultrastructure and function of the mitochondrion. (5 marks)

(b) What are the biological indicators? Give some examples. (5 marks)

(b) Illustrate the biological interrelationships. Give some examples. (5 marks)

(c) What are the major biological domains? (3 marks)

Question [4].

[25 Marks]

(a) Illustrate the structure of a virus and mention to its environmental role. (10 marks)

(b) What are the lichens? Illustrate their environmental role. (10 marks)

(c) Illustrate the ultrastructure of a chloroplast. (5 marks)

With Best Wishes

Examiners: Prof. Talaat A. Hegazy