



Damietta University  
Faculty of Science  
Environmental Sciences Department

First Term Exam 2025  
Date: 21 January 2025  
Time allowed: 2 hours

Planning and Management of Solid Waste Disposal (Course Code: 401 Env.)  
for Fourth Level of Environmental Sciences and Env. Sc. / Chemistry Students

Answer the Following Questions:

Total Mark: 90

Question [1]: (24 Mark)

- a- Explain the types and impacts of hazardous waste. (7 Marks)
- b- Discuss briefly the solid waste treatment processes. (10 Marks)
- c- Illustrate the importance of incineration of solid wastes. (7 Marks)

Question [2]: (21 Mark)

- a- Why does carry out the environmental legislations? (7 Marks)
- b- What are the types of medical waste? (7 Marks)
- c- Illustrate the criteria of a sanitary landfill. (7 Marks)

Question [3]: (24 Mark)

- a- Explain the environmental impacts of leachate. (7 Marks)
- b- What are the factors affecting compost production? (7 Marks)
- c- Compare aerobic and anaerobic conversion of solid wastes. (10 Marks)

Question [4]: (21 Mark)

- a- What are the management operations of e-wastes? (5 Marks)
- b- Explain the system and stages of compost production. (10 Marks)
- c- What are the concepts of 3Rs, 4Rs and the ISWM? (6 Marks)

*With Best Wishes*

*Examiner Prof. Talaat A. Hegazy*