



Damietta University
Faculty of Science
Environmental Sciences Department
4th year Examination

Damietta University
2nd Semester
(May 2024)

Water resources management
Code: (414 ب)
Time: 2 Hours
Full Mark: 70 degree

Answer the following questions:

- 1) Explain the following concepts: (22 degree)
 - a) Water resources management.
 - b) Osmosis, osmotic pressure and reverse osmosis.
- 2) Discuss the following: (22 degree)
 - a) Water conservation in irrigation.
 - b) Use reverse osmosis as a water purification process.
- 3) Discuss with simple sketches the basic components common in all reverse osmosis systems. (22 degree)
- 4) Determine the total quantity of rainwater collection per annum for roof top area 600 m^2 , with average annual rainfall = 1000 mm. (4 degree)

Best regards

Prof. Dr. M. Abdelgalil