Damietta University Faculty of Science Chemistry Department



Oral Exam for 4th year students (Second Semester 2019/2020)

اسم المقرر	كيمياء غير عضوية (419ك)
Course name	Inorganic chemistry (419 Chem)/f-block elements
Lecturer	Dr. Shadia Abdel Aleem Elsayed
Level	Chem/Biochem, Chem/Microbiology and Chem/Botany

1. Comment on the following:

- 1. La(OH)₃ is more basic than Lu(OH)₃
- 2. Eu²⁺ and Yb²⁺ are good reducing agent in solution
- 3. Actinides are lewis acids

2. Discuss the following:

- 1. Actinide contraction
- 2. Lanthanide hydrides
- 3. Extraction of lanthanides from Bastnaesite

Dr. Shadia A. Elsayed