



**FACULTY OF SCIENCE AND TECHNOLOGY**  
**END OF SEMESTER EXAMINATIONS - APRIL 2025**

**PROGRAMME: BSEM**

**YEAR/SEM: YEAR 3/SEMESTER 2**

**COURSE CODE: BSE3203**

**NAME: WETLANDS ECOLOGY AND MANAGEMENT**

**DATE: 2025-04-17**

**TIME: 2:00-5:00PM**

**INSTRUCTIONS TO CANDIDATES:**

1. Read the instructions very carefully
2. The time allowed for this examination is STRICTLY three hours
3. Read each question carefully before you attempt and allocate your time equally between all the Sections
4. Write clearly and legibly. Illegible handwriting cannot be marked
5. Number the questions you have attempted
6. Use of appropriate workplace examples to illustrate your answers will earn you bonus marks
7. Any examination malpractice detected will lead to automatic disqualification.

**DO NOT WRITE ANYTHING ON THE QUESTION PAPER**

## Section A Attempt only ONE question

### Question 1:

1. a. Explain the three important characteristics of wetlands. (06 marks)
  - b. Explain the concept of **total economic value** in relation to wetland management. (08 marks)
  - c. Discuss the common features of palustrine wetlands. (12 marks)
  - d. Attach meaning to the following terms. Two (2) marks each. (14 marks)
    - i. Obligate species
    - ii. Wetland enhancement
    - iii. Facultative upland species
    - iv. Wetland construction
    - v. Facultative wetland species
    - vi. Wetland restoration
    - vii. Facultative species

## Section B Attempt any THREE questions

### Question 1:

Discuss the natural causes of wetland loss and degradation. (20 marks)

### Question 2:

What are some of the plant morphological adaptations for wetland ecosystems? (20 marks)

### Question 3:

Explain the structure of a pond (wetland) ecosystem. (20 marks)

### Question 4:

Discuss the physical wetland function and values. (20 marks)

### Question 5:

Deliberate on the relevant legal, policy and regulatory framework documents aiding in wetland management in Uganda. (20 marks)

### Question 6:

What is the Ramsar Convention, and how does it contribute to the conservation of wetlands globally?