

**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER 2017**

**TITLE OF PAPER : AQUATIC CONSERVATION**

**COURSE CODE : BIO618**

**TIME ALLOWED : THREE HOURS**

**INSTRUCTIONS :**

- 1. ANSWER ANY TWO (2) QUESTIONS**
- 2. EACH QUESTION CARRIES FIFTY (50) MARKS**

**SPECIAL REQUIREMENTS: NONE**

**THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN  
GRANTED BY THE INVIGILATORS**

**QUESTION 1**

**Identify the major physical, chemical and biological components of aquatic ecosystems and how they influence these systems and associated biota.**

**[Total marks = 50]**

**QUESTION 2**

**Using the article provided, deliberate on the community interactions within the aquatic system discussed and repercussions of their alteration. Specifically, identify the causes and results of disturbances on both biota and limnology and suggest mitigation strategies.**

**[Total marks = 50]**

**QUESTION 3**

**Freshwater ecosystems are under unprecedented pressure. Identify the major threats to freshwater systems and their biodiversity and deliberate on how these arise as well as mitigation measures for restoration and management of freshwater habitats.**

**[Total marks = 50]**