

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING

FINAL EXAMINATION, DECEMBER, 2015

MSc

**TITLE OF PAPER : ENVIRONMENTAL MANAGEMENT AND
RESOURCE ECONOMICS**

COURSE NUMBER : GEP 601/ERM 601

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTIONS : ANSWER TWO (2) QUESTIONS
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS**

MARK ALLOCATION : EACH QUESTION CARRIES FIFTY (50) MARKS

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

GEP 601/ERM 601: ENVIRONMENTAL MANAGEMENT AND RESOURCE ECONOMICS - DECEMBER, 2015

ANSWER ANY TWO (2) QUESTIONS

QUESTION 1

- a) Using examples explain how an Environmental Impact Assessment (EIA) is conducted in a country familiar to you. (10 marks)
 - b) Analyse the extent the intended goals and objectives of the EIA are met in the country chosen in (a) above. (20 marks)
 - c) Discuss the challenges experienced in conducting EIA processes in the country chosen. (10 marks)
 - d) Discuss the key lessons learned to increase attainment of the EIA goals and objectives. (10 marks)
- (50 Marks)**

QUESTION 2

- a) Explain how an economic analysis has an important role in evaluating the following:
 - i) Environmental evaluation (3 marks)
 - ii) Social equity evaluation (3 marks)
 - iii) Economic and financial evaluation (4 marks)
 - b) Explain how the test of economic feasibility is passed and the key questions to be answered. (10 marks)
 - c) Explain how the following methods are used in economic analysis of development programmes:
 - i) Cost effectiveness (10 marks)
 - ii) Benefit-cost analysis (10 marks)
 - iii) Socio-economic impact analysis (10 marks)
- (50 Marks)**