

UNIVERSITY OF ESWATINI
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING
FINAL EXAMINATION, DECEMBER 2019
MSc. E.R.M.

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

COURSE NUMBER: GEP601

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER TWO QUESTIONS**
- 2. ANSWER ANY ONE QUESTION FROM EACH SECTION**
- 3. ILLUSTRATE YOUR ANSWERS WITH EXAMPLES AND USE APPROPRIATE TERMINOLOGY**

ALLOCATION OF MARKS: EACH QUESTION CARRIES 50 MARKS

THIS QUESTION PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR

**GEP601: ENVIRONMENTAL MANAGEMENT & RESOURCE ECONOMICS -
DECEMBER 2019**

**SECTION A
ANSWER ONE QUESTION**

QUESTION 1

‘Unless we discuss and address the issue of increasing human population, it will be impossible to achieve sustainable development’. Critically discuss the validity of this viewpoint. **(50 Marks)**

QUESTION 2

The Kingdom of Eswatini’s Nationally Determined Contributions (NDC) is centered on the country taking a path towards a low carbon economy. However, the country’s economy is largely supported by agriculture, a sector that is considered a key source of greenhouse emissions. Discuss any ONE (1) economic instrument that could be used to achieve a low carbon agro-based economy whilst also considering the high levels of poverty and unemployment in the country. **(50 Marks)**

SECTION B
ANSWER ONE QUESTION

QUESTION 3

The Environmental Audit, Assessment and Review Regulations (2000) govern environmental assessments in the Kingdom of Eswatini. Discuss the stipulated procedures to be followed when conducting an environmental impact assessment in accordance with the said regulations for a residential development project comprising 12 houses. **(50 Marks)**

QUESTION 4

- a) Discuss the following environmental management tools.
- i) Environmental risk assessment (20 marks)
 - ii) Environmental auditing (20 marks)
- b) Discuss the key benefits of ISO 14000 certification for companies. (10 marks)
- (50 Marks)**