

UNIVERSITY OF ESWATINI
INSTITUTE OF DISTANCE EDUCATION
B.ED (ADULT EDUCATION) YEAR IV
FINAL EXAMINATION, DECEMBER 2018

COURSE NAME: ENVIRONMENTAL EDUCATION I

COURSE CODE: IDE – BAE 421

COURSE WEIGHT: 100 MARKS

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

1. The paper consists of **three (3)** printed pages, including the cover page
2. Answer **four (4)** questions in all
3. Make sure that you have carefully read and fully understood the questions before answering them.
4. Follow all specific instructions for each individual question.

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

QUESTION 1

- a) Define the term 'environment'. (4 marks)
- b) Explain what each of the following components of the environment mean:
 - i. Abiotic/ physical component (7 marks)
 - ii. Socio-cultural / economic component (7 marks)
 - iii. Biotic/ biological component (7 marks)

Total [25 marks]

QUESTION 2

- a) The environment is understood and presented according to four (4) thematic domains. With the aid of a diagram, identify these domains and explain how they are interrelated (10 marks)
- b) Outline the goals commonly expressed by environmentalists in protecting the natural environment (5 marks)
- c) explain the main characteristics of the earth (10 marks)

Total [25 marks]

QUESTION 3

- a) Define the term 'ecosystem' (5 marks)
- b) Discuss the two main types of ecosystems and show how they affect the environment (20 marks)

Total [25 marks]

QUESTION 4

- a) What is meant by climate change? (5 marks)
- b) Examine four causes of climate change and how they affect the environment (20 marks)

Total [25 marks]

QUESTION 5

Write explanatory notes on each of the following terms in the context of population:

- a) Population growth rate (5 marks)
- b) Population dynamics (5 marks)
- c) Birth rate (5 marks)
- d) Mortality rate (5 marks)
- e) Density (5 marks)

Total [25 marks]

QUESTION 6

- a) Define the term 'environmental degradation' (5 marks)
- b) Discuss why the efforts to control environmental degradation in Eswatini failed during the colonial days. (20 marks)

Total [25 marks]