



"Investing in Africa's Future"

**COLLEGE OF SOCIAL SCIENCES, THEOLOGY,
HUMANITIES AND EDUCATION**

HES422: ENVIRONMENTAL QUALITY MANAGEMENT

END OF SECOND SEMESTER FINAL EXAMINATION

May, 2018

LECTURER: Mr. D. Munasirei.

DURATION: THREE (3) HOURS

GENERAL INSTRUCTIONS TO CANDIDATES

1. Use answer sheets provided
2. Answer any **THREE (3)** questions.
3. **Each question** is marked out of 20.
4. **Take note of mark distribution in each question.**
5. Where necessary, illustrate your answers with sketches, figures and diagrams.
6. Begin your answer for each question on a new page.

ANSWER ANY THREE QUESTIONS

Question 1

With examples discuss any TWO of the following objectives of environmental quality management as envisaged by the Swedish Government (2014):

- a) Reduced climate impact; (10)
- b) Clean air; (10)
- c) A non-toxic environment; (10)
- d) A rich diversity of plant and wild life. (10)

Question 2

Discuss the significance of any **FOUR** of the following dimensions of quality with reference to the natural and human environments:

- a) Durability; (5)
- b) Serviceability; (5)
- c) Aesthetics; (5)
- d) Value; (5)
- e) Conformance; (5)

Question 3

Evaluate any **TWO** paradigms of environment-development (envisaged by Colby, 1991) as they relate to environmental quality management. (20)

Question 4

In Industrial Ecology the industrial ecosystem at Kalundborg, Denmark is cited as an excellent example of a Life Cycle Assessment of a 'cradle-to-cradle' analysis which attempts to increase reuse potential and turn waste into resource.

Discuss the salient features of this industrial ecosystem as it relates to the management of waste. (20)

Question 5

Briefly explain the importance of following environmental management systems:

- a) ISO 14001 Environmental Management System. (10)
- b) ISO 9001 Environmental Quality Management' (10)

Question 6

“Safety, Health and Environment (SHE) are critical aspects in the productive sector.”
Discuss this assertion with examples from the developing and/or developed countries. (20)

- **END OF QUESTION PAPER -**