



"Investing in Africa's Future"

COLLEGE OF SOCIAL SCIENCES, THEOLOGY, HUMANITIES AND EDUCATION

HES421: HAZARDOUS WASTE GENERATION AND MANAGEMENT

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017/18

LECTURER: MR. D. MUNASIREI

DURATION: 3 HRS

INSTRUCTIONS

1. Do NOT write your name on the answer sheet.
2. Answer any THREE questions.
3. Begin your answer for each question on a new page.
4. Each question is worth a total of 20 marks.
5. Credit is given for neat, well-written, illustrated and lucid work.

Answer any THREE questions

(Each question will be marked out 20 marks)

Question One

- a) With examples show your understanding of the concept 'toxic tsunami' (4)
- b) Toxic tsunami varies with ecological footprints between the North and the South. Discuss (16)

Question Two

With examples, discuss any **FOUR** properties which render wastes hazardous to the ecological and physical environments. (20)

Question Three

EITHER

Discuss the importance of the Waste Management Hierarchy in addressing challenges encountered in hazardous waste generation. (20)

OR

Examine the waste management policies and laws of Zimbabwe. (20)

Question Four

Discuss ecological and environmental implications of any **TWO** of the following:

- a) Acid mine drainage (10)
- b) Oil spills (10)
- c) Mercury discharge in water bodies (10)

Question Five

Discuss the effectiveness of the Basel Convention in controlling and managing the transboundary movement of hazardous wastes. (20)

Question Six

Citing a case study or case studies, discuss the characteristics of physical hazards associated with hazardous waste generation. (20)

- END OF QUESTIONS -