



"Investing in Africa's Future"

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

HES421: HAZARDOUS WASTE GENERATION AND MANAGEMENT

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2016

LECTURER: Mr. D. Munasirei

DURATION: 3HRS

GENERAL INSTRUCTIONS TO CANDIDATES

1. Do NOT write your name on the answer sheet
2. Answer any THREE questions only
3. Where necessary, illustrate your answers with sketches, figures and diagrams
4. Begin your answer for each question on a new page
5. Each question is worth 20 marks

Question 1

Justify the study of hazardous waste generation and management. (20)

Question 2

With examples discuss any FOUR properties of wastes which render them hazardous. (20)

Question 3

Critically discuss the environmental and ecological impacts of any TWO heavy metals. (20)

Question 4

With reference to a named manufacturing industry explain the waste management system adopted to minimize the risks of the waste to human beings and the physical environment. (20)

Question 5

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

Question 6

Citing a case study or case studies, discuss the characteristics of chemical hazards associated with hazardous wastes as envisaged by Woodside (1993). (20)

Question 7

Discuss the significance of the Basel and Bamako Conventions in controlling the transboundary movement of and management of hazardous wastes. (20)

- END OF QUESTIONS -