



"Investing in Africa's Future"

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

**HES 421 HAZRDOUS WASTE GENERATION AND MANAGEMENT  
END OF FIRST SEMESTER EXAMINATIONS**

**NOVEMBER/DECEMBER 2018**

**LECTURER: G. R. CHIMONYO**

**DURATION: THREE HOURS**

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***INSTRUCTIONS***

1. Do NOT write your name on the answer sheet
2. Use answer sheets provided
3. Answer any **THREE (3)** questions
4. Read and understand all questions and instructions before your answer
5. Where necessary, illustrate your answers with sketches, figures and diagrams
6. Each question is marked out of 20 marks
7. Take note of mark distribution in each question
8. Begin your answer for each question on a new page
9. Credit is given to neat presentation of answers



### **Question One**

‘Although the European Union data on hazardous waste generation represent the best effort to compile reliable information on the generation of hazardous waste at the regional scale, it still has many grey areas.’ Discuss this statement.

### **Question Two**

Explain giving examples of the types of hazardous wastes distinguished according to the following characteristics:

- a) Ignitable wastes
- b) Toxic wastes
- c) Corrosive wastes
- d) Reactive wastes

### **Question Three**

Give a critique of the Basel Convention paying particular attention to why the Convention failed in its attempts to regulate satisfactorily international trade in hazardous waste.

### **Question Four**

‘It is now well accepted that the Bamako Convention goes much further than similar initiatives such as the Basel Convention to address the issue of exportation of hazardous waste into Africa.’ Discuss this statement in relation to weaknesses and strengths of the Bamako Convention.

### **Question Five**

Discuss the requirements for adequate hazardous waste management noting the obstacles in relation to establishing adequate hazardous waste management systems and the possible solutions to these obstacles.

### **Question Six**

Give an explanation of and the need for the following on-site hazardous waste management activities:

- a) Separation
- b) Internal hazardous waste collection and temporary storage

### **Question Seven**

Discuss the advantages and disadvantages of incineration as a method of disposing hazardous waste.

**END OF QUESTION PAPER**