



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Faculty of Health Sciences**  
**Department of Environmental Health Science**  
**2020\_1 Examination**

**Course Code:** EHS317  
**Course Title:** Solid Waste Management  
**Course Units:** 2 Credit Units  
**Time Allowed:** 2 Hours  
**Total Score:** 70 Marks  
**Instruction:** Answer all the questions

- 1a. Write extensively on the classification of Solid Waste based on their sources (15 marks).
- 1b. Explain the following terms:
- |   |        |                  |
|---|--------|------------------|
| i. Principle of Best Available Technology (BAT) | 3marks |                  |
| ii. Polluter Pays Principle (PPP)               | 3marks |                  |
| iii. Integrated Waste Management (IWM)          | 3marks |                  |
| iv. Open Dumping/Crude Tipping                  | 3marks |                  |
| v. Incineration                                 | 3marks | (Total 15 marks) |
- (Total 30 marks)**
- 2a. Write on the Processes involved in Waste Minimization (15 marks)
- 2b. With the aid of a diagram only, show the classification of Waste Minimization Techniques (5 marks)
- (Total 20 marks)**
- 3a. Explain the Hierarchy of Integrated Waste Management (10 marks)
- 3b. Mention five advantages and disadvantages of Burial Method in waste management (5 marks)
- 3c. Highlight ten advantages of Waste recycling (5 marks)
- (Total 20 marks)**