



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI - ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2023_2 EXAMINATIONS

COURSE CODE: EHS520

COURSE TITLE: BIOMEDICAL AND SPECIAL WASTE

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1 ½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

- 1 (a) Explain three (3) types of incinerators **(9 Marks)**
(b) Highlight six (6) desirable features of incinerator **(6 Marks)**
(c) Itemize five (5) arguments supporting the debate over incineration **(5 Marks)**
- 2 (a) Write a short note on these biomedical waste management technologies:
(i) Pulverisation **(10 Marks)**
(ii) Pyrolysis and gasification **(10 Marks)**
(b) Discuss the processes involved in the development of biogas technology for biomedical waste management **(10 Marks)**
- 3 (a) What is *Biomedical Waste Minimization*? **(5 Marks)**
(b) Discuss five (5) processes of biomedical waste minimization **(10 Marks)**
(c) Describe two (2) systems of biomedical waste reduction **(5 Marks)**