



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024 1 EXAMINATION

COURSE CODE: EHS 409

COURSE TITLE: SEWAGE AND WASTE WATER TREATMENT

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1½ HOURS

TOTAL SCORE: 70 MARKS

INSTRUCTION: ANSWER ALL QUESTIONS

- 1a. Explain the three major types of Waste-water sewerage system (7marks)
- 1b. Enumerate the intrinsic factors that make Food liable to microbial spoilage (5marks)
- 1c. Discuss the process of Vinegar production (5marks)
- 1d. Highlight the disadvantages of Screening in Waste water treatment plant (8marks)
-
- 2a. What is Industrial or Trade Sewage (3marks)
- 2b. Describe the Secondary treatment of Waste water (6marks)
- 2c. Explain the factors that influences characteristics of Waste water (5marks)
- 2d. Discuss the Chemicals that are "generally regarded as safe" (GRAS) Give examples. (6marks)
-
- 3a. Describe the three (3) Oxygen state (8marks)
- 3b. Discuss preservation process (9marks)
- 3c. Enumerate the advantages and disadvantages of comminutors and grinders (8marks)