



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2025_2 EXAMINATIONS

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: ATTEMPT ALL QUESTIONS

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| 1a. | Describe your understanding of a settled sewerage system | 7marks |
| b. | State the importance or Uses of Sludge Treatment | 5marks |
| c. | Why is separate sewerage system preferred? | 2marks |
| d. | Mention 8 Applications of Ultrafiltration | 8marks |
| e. | State the category of microorganisms used for biological treatment by the state of oxidation | 3marks |
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| 2a. | State 6 management practices that assist restaurants and bars in waste Treatment | 6marks |
| b. | Discuss the factors affecting sedimentation in wastewater | 8 marks |
| c. | What are Coliforms? Give 2 examples | 6marks |
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| 3a. | Explain the Negative Impacts of Waste-water on the Environment | 6marks |
| b. | Discuss the three general methods for control of micro-organisms of indoor air. | 8marks |
| c. | State beneficial effects of probiotic properties of fermented dairy products | 4marks |
| d. | What are the fundamental component of a sewage trickling filter systems | 5marks |
| e. | What is waste-water sludge? | 2marks |