

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. 1b. 1c. 1d.	Explain the three major types of Waste-water sewerage system Enumerate the intrinsic factors that make Food liable to microbial spoilag Discuss the process of Vinegar production Highlight the disadvantages of Screening in Waste water treatment plant	(7marks) e (5marks) (5marks) (8marks)
2a.	What is Industrial or Trade Sewage Describe the Secondary treatment of Waste water	(3marks) (6marks)
2b. 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)	