



ELIZADE UNIVERSITY, ILARA-MOKIN, ONDO STATE, NIGERIA

FACULTY OF BASIC & APPLIED SCIENCES
DEPARTMENT OF BIOLOGICAL SCIENCES
SECOND SEMESTER EXAMINATION
2016/2017 ACADEMIC SESSION

COURSE CODE: MCB 406

COURSE TITLE: ENVIRONMENTAL MICROBIOLOGY

DURATION: 2 ½ HOURS

HOD'S SIGNATURE

..... MAT No.

INSTRUCTIONS: Answer Question 1 and any 2 other questions

1. (a) Briefly discuss the transmission of airborne microorganisms
(b) List and briefly discuss the sources of microbes in the air
(c) List and briefly discuss one airborne diseases of each of the followings: bacteria, virus and fungi.
(d) You are the air quality expert for Elizade University, how will you ensure safe air quality in the school and offices.
2. What is the importance of wastewater in environmental microbiology?
(b) Which principle is used to measure the pollution level of wastewater?
(c) Discuss the breakdown of sewage in wastewater with emphasis on microorganisms.
3. Define and discuss EPILIMNION, HYPOLIMNION, THERMOCLINE
(a)List all the lake types you know and discuss any 3 of them
(b) Discuss Eutrophication and its **Consequences**.
4. Discuss the ecology of life in the ocean
5. (a) You have been approached by Elizade University to **help make the dam water** drinkable, describe the processes you will use.
(b) Explain some of the laboratory tests used **to determine whether waters are safe for** drinking.