



ELIZADE UNIVERSITY,
ILARA-MOKIN,
ONDO STATE

FACULTY: BASIC & APPLIED SCIENCES
DEPARTMENT: BIOLOGICAL SCIENCES
SECOND SEMESTER EXAMINATION

2015/2016 ACADEMIC SESSION

COURSE CODE: MCB 408
TITLE: Soil Microbiology

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HOD's SIGNATURE

DURATION: 2 Hrs

NAME:.....MAT.No:.....

INSTRUCTIONS:

Answer any FOUR questions

1. What are the contributions of soil atmosphere, water, pH and temperature to the biochemical activities of microorganisms in the soil?
2. Describe different groups of microorganisms found in the soil.
3. Explain different types of interactions or ecological relationships that exist among soil microorganisms.
4. With suitable illustration and explanation, describe the role of named microbes, under different processes, in cycling of nitrogen in the soil
5. Write short notes on each of the following:
 - (a) Rhizosphere microorganisms
 - (b) Role of arbuscular mycorrhiza (AM) fungus in the soil
 - (c) Influence of pesticides in soil microorganisms
6. (a) Explain the following terms and give examples of each
 - (i) Biodegradation
 - (ii) Biotransformation

(b) Discuss on microbial degradation of pesticide (DDT)