



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF MICROBIOLOGY**

SECOND SEMESTER EXAMINATION 2015/2016 SESSION

COURSE CODE: MCB 522

COURSE TITLE: PETROLEUM MICROBIOLOGY (2 UNITS)

CLASS: 500 LEVEL

TIME: 2 HOURS

Instruction: Answer four questions, at least two questions from each section

SECTION A

- 1(a). Why would you choose agrowaste rather than diesel oil for the production of biosurfactant?
- 1(b). Discuss the application of biosurfactants in the petroleum industry
2. Discuss the role of aerobic heterotrophic bacteria and fungi in biodeterioration of petroleum products
3. “Waterflooding is a mixed blessing in the petroleum industry”. Discuss

SECTION B

1. “Oil spillage constitutes serious problem to the environment”. Discuss
2. Microorganism helps in degradation of petroleum in soil environment. Discuss the important conditions that can aid or inhibit this important microbial activity.
3. Write an essay on microbial prospecting for petroleum.