

• **OLABISI ONABANJO UNIVERSITY, AGO IWOYE**
FACULTY OF SCIENCE
DEPARTMENT OF MICROBIOLOGY
2015/2016 HARMATTAN EXAMINATIONS

COURSE: INTRODUCTORY MICROBIOLOGY

COURSE CODE: MCB 201

Instruction: Answer two questions from each section

Duration: 2hrs. 30mins

SECTION A

1. a. Define microbiology
b. state Koch's postulate
c. list the discovery of some **eight** major human pathogens under the following headings

| S/n | Disease | Causative agent | Discoverer |
|-----|---------|-----------------|------------|
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2. Describe the general characteristics of microorganisms under the following headings
i. The origin of microorganisms
ii. The Cellular organization of microorganisms
iii. Microbial involvement in energy and nutrient flow
3. Describe the characteristics of bacteria based on shape

SECTION B

4. a. Highlight the types of biological entities studied by microbiologists.
b. Describe the three domains of life.
5. a. What is an aseptic technique? State its importance in microbiology.
b(i) Distinguish between sterilization and disinfection.
b(ii) How will you control microorganisms on the following materials:
Laboratory bench-tops, Enzyme preparations, Glasswares, Human skin, surgical packs, inoculating loop, Laboratory media and Fruit surfaces.
6. Microorganisms are regarded as nuisances to humanity. Argue against this proposition.