

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE

FACULTY OF SCIENCE

DEPARTMENT OF MICROBIOLOGY

2015/16 RAIN SEMESTER EXAMINATION

COURSE TITLE: INTRODUCTORY MICROBIOLOGY II

CODE: MCB 202

INSTRUCTION: Attempt ONE question in section A and two questions in section B Time: 1hr 30min

SECTION A

1a. Discuss the water borne disease TYPHOID FEVER in detail under the following headings:

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|-----------------------|---------------|----------------------------|
| i. Causative agent | ii. Infection | iii. Symptoms |
| iv. Incubation period | v. Treatment | vi. Prevention and control |

2a. In a tabular form, differentiate between *Escherichia coli* and *Streptococcus faecalis* which are classified as good sewage indicators.

b. Highlight the characteristics that make the two organisms mentioned in (a) above good indicators of faecal contaminants.

c. State five reasons for treating water

d. Highlight the various advantages of Membrane Filter Techniques over the other bacteriological methods.

e. Give five reasons why algae are being referred to as nuisance organisms.

SECTION B

3. Highlight and discuss any six methods to classify and identify microorganisms

4. Write notes on the secondary treatment of waste water.

5. Discuss the six kingdoms of life under the following headings

- | | | |
|---------------------------|------------------------|-----------------------|
| i. Kingdom archeobacteria | ii. Kingdom eubacteria | iii. Kingdom protista |
| iv. Kingdom plantae | v. Kingdom fungi | vi. Kingdom animalia |