

**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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**University Examinations 2014/2015**

**SECOND YEAR, SPECIAL /SUPPLEMENTARY EXAMINATION FOR BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**HPP 3202 MEDICAL MICROBIOLOGY**

**DATE: OCTOBER, 2015 TIME:** $2 $**HOURS**

**INSTRUCTIONS:** *Answer questions* ***one*** *question and any other* ***two*** *questions*

**QUESTION ONE – (30 MARKS)**

1. Draw a well labeled diagram of bacteria. (5 Marks)
2. Outline the morphological classification of fungi. (3 Marks)
3. Explain the association between botulism and clostridia. (5 Marks)
4. List five pathogenic strains of *Escherichia coli.* (5 Marks)
5. Outline the laboratory diagnosis of bacterial meningitis. (5 Marks)
6. Describe bacterial endospores. (2 Marks)
7. Describe the association of *neisseria sp.* and sterility in women. (5 Marks)

**QUESTION TWO – (20 MARKS)**

Write an essay on sterilization & disinfection. (20 Marks)

**QUESITON THREE – (20 MARKS)**

Discuss pulmonary tuberculosis. (20 Marks)

**QUESTION FOUR – (20 MARKS)**

What is the importance of the following two organisms as human pathogens;

1. *Chlamydia* (10 Marks)
2. *Rickettsia* (10 Marks)