

**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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**University Examinations 2015/2016**

THIRD YEAR, FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE BIOLOGICAL AND BACHELOR OF SCIENCE IN CROP PROTECTION

**SBT 2305: GENERAL MYCOLOGY**

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

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

**QUESTION ONE – (30 MARKS)**

1. Name four divisions of fungi. (4 Marks)
2. Name two morphological forms of fungi. (2 Marks)
3. State the characteristics of the following;
4. Yeast
5. Molds
6. Explain what dimorphism is and state when is it likely to occur. (3 Marks)
7. Explain the meaning of the following terminologies as used in mycology;
8. Hypha (2 Marks)
9. Septate (1½ Marks)
10. Conidia (1½ Marks)
11. Molds may form either sexual or asexual spores. Briefly describe how these spores are formed. (5 Marks)
12. State five properties that help in fungal pathogenicity. (5 Marks)
13. State two possible ways you can identify molds in the laboratory. (2 Marks)

**QUESTION TWO (20 MARKS)**

Discuss the reproduction system of fungi. (20 Marks)

**QUESTION THREE (20 MARKS)**

Discuss five groups of mycosis based on the level of infective tissue. (20 Marks)

**QUESTION FOUR (20 MARKS)**

Discuss the following divisions of fungi.

1. Oomycota
2. Deuteromycota