



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY**

UNIVERSITY EXAMINATIONS 2012/2013

**SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR
THE DEGREE OF BACHELOR OF SCIENCE IN COMMUNITY
HEALTH AND DEVELOPMENT & BACHELOR OF SCIENCE
IN PUBLIC HEALTH**

(BUSIA LEARNING CENTRE)

COURSE CODE: HCD 3228

COURSE TITLE: INTRODUCTION TO MEDICAL MYCOLOGY.

DATE: 15/4/2013

TIME: 14.00-15.00PM

DURATION : 2 HOURS

INSTRUCTIONS

1. This paper contains TWO sections.
2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.
3. Write all answers in the booklet provided.

Answer ALL questions in Section A and ANY TWO questions in Section B

1. Name two important characteristics that are used in the classification of fungi (**3 marks**)
2. With examples name the two forms in which the fungal thalus is commonly exhibited (**3 marks**).
3. Define fungal **dimorphism**. What is the importance of this process to the fungal survival (**3 marks**).
4. With two specific examples give the importance of fungi in the phylum Basidiomycota (**3 marks**).
5. Define the term "**Dermatophyte**", give two examples of dermatophytes that are common in humans (**3 marks**)
6. Define **Candidiasis**, what is the casual agent and the predisposing factor to candidiasis. (**3 marks**)
7. Define **sporotrichosis**. Give two examples of sporotrichosis (**3 marks**)
8. Describe pulmonary **Cryptococcosis**. What are the predisposing factors for Cryptococcosis (**3 marks**).
9. Define **Chromoblastomycosis**. Name two fungi that are commonly associated with Chromoblastomycosis (**3 marks**)
10. Define Tinea capitis. Give two specific example of the fungi that causes this conditions in man(**3 marks**)

SECTION 2. ANSWER ANY TWO QUESTIONS (40 marks)

1. Describe **systemic mycoses**. With examples describe two system fungal infections that are commonly transmitted in immunocompetent people (**20 marks**).
2. Describe **onychomycosis**, the causal agents, mode of transmission, predisposing factors and complications (**20 marks**).
3. Describe the three forms of Aspergillosis, mode of transmission, treatment and possible complications (**20 marks**).
4. In relation to the fungi define the following terms(**a**) Anamorphic and Teleomorphic fungi (**b**) Ascocarps and conidia (**c**) Hyphae and mycelium (**d**) Achlorophyllous and Chemohetetroph (**20 marks**)