

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

**UNIVERSITY EXAMINATIONS 2014/2015**

**SCHOOL OF HEALTH SCIENCES - KISII LEARNING CENTRE**

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR  
BACHELOR OF SCIENCE DEGREE IN PUBLIC HEALTH /  
COMMUNITY HEALTH AND DEVELOPMENT**

**COURSE TITLE: MEDICAL MYCOLOGY**

**COURSE CODE: HCD 3228**

**TIME: 2HOURS**

**INSTRUCTIONS**

- 1. This paper contains two (2) sections.**
- 2. Answer ALL questions in section A and ONLY TWO in section B.**
- 3. Illustrate your answers with well labeled diagrams where appropriate.**
- 4. Provide your answers in the separate booklet provided**

## **SECTION A**

1. Briefly describe the general characteristics of fungi (3 marks)
2. Briefly discuss the basic morphological forms of fungi (2 marks)
3. Explain briefly the dimorphic nature of fungi (2 marks)
4. Explain the taxonomic classification of fungi. (4 marks)
5. By show of diagrams differentiate between aseptate and septate hyphae (2 marks)
6. Briefly discuss some of the factors that can predispose one to fungal infections (5 marks)
7. Briefly discuss asexual reproduction spores (5 marks)
8. Differentiate between perfect fungi and fungi imperfecti (2 marks)
9. Briefly discuss the methods used in identification of fungi (5 marks)

## **SECTION B**

1. As a public health officer/educationist, discuss the measures you would take to prevent/control fungal infections. (20 marks)
2. Discuss the Clinical classification of Fungal Infections and give examples of diseases caused by them (20marks)
3. Discuss any one example of opportunistic mycoses using the following headings. (20 marks)
  - i. Causative agent
  - ii. Epidemiology
  - iii. Pathogenesis
  - iv. Laboratory diagnosis
  - v. Management and prevention
4. Discuss dermatophytoses under aetiology, epidemiology, transmission, diagnosis, prevention and treatment. (20marks)