



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU

COURSE CODE:	HCD 3228
COURSE TITLE:	MEDICAL MYCOLOGY
EXAM VENUE:	STREAM: (BSc Comm Hlth & Dev)
DATE:	EXAM SESSION:
TIME:	2.00 HOURS

Instructions:

- 1. Answer ALL the questions in Section A and ANY other TWO questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Section A: Answer ALL Questions (Total 30 marks)

1. List six general characteristics of fungi (3 marks)
2. a) Highlight the main feature of dermatophytes (1 mark)
b) Elucidate the mechanism of action of dermatophytes (2 marks)
4. List six major sources of ringworm infections (3 marks)
5. State three circumstances that necessitate collection of fungal specimen (3 marks)
6. State three reasons why opportunistic fungal infections pose great challenge to eradicate (3 marks)
7. Giving examples, differentiate between true pathogenic fungi and opportunistic fungi (3 marks)
8. As a public health officer, you are challenged to come up with possible ways of fungal infections eradication. Briefly describe three policies you would propose (3 marks)
9. Highlight challenges facing fungal infections management (3 marks)
10. Classify dermatophytes based on their habit, citing mode of transmission (3 marks)

Section B: Answer ANY TWO Questions (Total 40 marks)

1. Individuals living in crowded areas are at risk of acquiring ring worm infections. Discuss risk factors these individuals are exposed to, prevention and control strategies, and treatment options (20 marks)
2. Vaginal candidiasis, a fungal disease caused by *Candida albicans* affect about 75% of women globally. Discuss risk factors, prevention and control strategies, and treatment options for the opportunistic fungal disease (20 marks)
3. Fungal infections are of economic importance and source of threat to human health alike. Discuss (20 marks)
4. Nosocomial fungal infections account for 10% of fungal infections. Discuss risk factors, prevention and control strategies, and treatment options for the nosocomial fungal infections (20 marks)