



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 2019/2020 ACADEMIC YEAR
KISUMU

COURSE CODE: HCD 3228

COURSE TITLE: MEDICAL MYCOLOGY

DATE: 15/08/2019

EXAM SESSION: 2.00 – 4.00 PM

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. Classify dermatophytes based on their habit, citing mode of transmission (3 marks)
2. Elucidate three risk factors for systemic mycoses (3 marks)
3. List six major sources of ringworm infections (3 marks)
4. List six general characteristics of fungi (3 marks)
5. State three circumstances that necessitate collection of fungal specimen (3 marks)
6. Differentiate between:
 - a) Mycoses mortality and mycoses morbidity
 - b) Systemic mycoses and cutaneous mycoses
 - c) Opportunistic mycoses and true mycoses (3 marks)
7. Highlight challenges facing fungal infections management efforts (3 marks)
8. Write short notes on diagnosis of ring worm infections (3 marks)
9. State risk factors for madura foot (3 marks)
10. Write short notes on vaginal candidiasis prevention (3 marks)

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

1. a) As a public health officer, you are tasked to come up with possible strategies of fungal infections eradication. Discuss policies you would propose (10 marks)
 - b) There has been revised interest in mycology. Discuss (10 marks)
2. Patients in hospital set up are at risk of acquiring fungal infections. Discuss risk factors these individuals are exposed to, prevention and control strategies, and treatment options (20 marks)
3. Opportunistic mycoses are considered evolving public health challenge. Giving examples, discuss the causative agents, risk factors, prevention and control strategies, and treatment options for opportunistic fungal infections (20 marks)
4. Discuss mycoses under sub-headings:
 - a) Epidemiology
 - b) Manifestation
 - c) Clinical diagnosis (20 marks)