



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE PUBLIC
HEALTH / COMMUNITY HEALTH AND DEVELOPMENT
2ND YEAR 2ND SEMESTER 2022/2023 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: HBB 9202

COURSE TITLE: MEDICAL MYCOLOGY

EXAM VENUE: STREAM: (BSc. Comm Hlth & Dev)

DATE: EXAM SESSION: DECEMBER 2022

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and ANY other 2 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 in this section (30 marks)

1. Briefly describe the general characteristics of fungi (3 marks)
2. List THREE (3) beneficial and THREE (3) detrimental effects of fungi (3 marks)
3. Compare and contrast pseudohyphae and germ tubes (3 marks)
4. Differentiate between vegetative and reproductive hyphae (3 marks)
5. Contrast the mechanisms of sporangiospore and conidiospore formation in fungi (3 marks)
6. Differentiate between true pathogenic and opportunistic fungal infections. Give an example in each case (3 marks)
7. Describe THREE (3) mechanisms of action of antifungal drugs (3 marks)
8. List THREE (3) host defense factors against fungi (3 marks)
9. Explain with examples clinical classification of fungal infections (3 marks)
10. Compare and contrast Cutaneous and Subcutaneous mycoses (3 marks)

SECTION B: Answer question ONE (compulsory) and any other question (40 marks)

1. Discuss FIVE (5) factors that can predispose an individual to fungal infections (20 marks)

2. Discuss cutaneous mycoses under:

- i. Causative agents and epidemiology (4 marks)
- ii. Risk factors (3 marks)
- iii. Clinical manifestations (10 marks)
- iv. Prevention and control (3 marks)

3. Discuss FIVE (5) fungal virulence factors that medically important fungi retain to allow their growth in the host (20 marks)