



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
COMMUNITY HEALTH AND DEVELOPMENT & BACHELOR OF SCIENCE IN
PUBLIC HEALTH
2ND YEAR 2ND SEMESTER 2018/2019
KISII CAMPUS

COURSE CODE: HCD 3228

COURSE TITLE: MYCOLOGY

STREAM: BSc. Comm Hlth & Dvlnt and BSc. P.H

TIME: 2HRS

Instructions

- 1. Answer all questions in section A (compulsory) 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 (30 MARKS)

1. State 3 habitats for fungi (3mks)
2. Fungi have eukaryotic cell structure, state four characteristics of a eukaryotic cell (4mks)
3. State five factors that contribute to establishment of fungal infections (5mks)
4. Explain the opportunistic infections in immunosuppressed individuals (4mks)
5. Discuss fungal allergies (5mks)
6. A) Explain wet prep technique used for fungal Identification (4mks)
B) State three other techniques used in fungal identification (3mks)
7. Sketch a diagram of a budding fungal yeast cell (2mks)

SECTION B (40 marks)

1.
A) Mycology is divided into 3 classes, state four characteristics of each class and two examples of fungi in each category (20mks)
2.
Discuss classification of fungal infections based on the parts of the body affected, while stating an example (20mks)
3.
A) Discuss the macroscopic identification of fungi based on; texture, surface topography and pigmentation (15mks)
B) Sketch diagrams differentiating true hyphae and pseudo hyphae (5mks)
4.
A) Discuss in details any four of the following fungal diseases (20mks) five marks @
 - i) Dermatophytes
 - ii) Candidiasis
 - iii) Cryptocosis
 - iv) Chromoblastomycosis
 - v) Cocidiomycosis