



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF
SCIENCE IN BIOMEDICAL SCIENCES
FIRST SEMESTER, 2023/2024
(MAY-AUGUST, 2024)**

MBSM 824: ADVANCED MEDICAL MYCOLOGY

STREAM: Y1S1
DAY: FRIDAY, 9.00AM-12.00PM

TIME: 3 HOURS
DATE: 16/08/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer ANY THREE questions only.**

QUESTION ONE

Discuss candidiasis as an opportunistic mycosis using the following headings. [20 marks]

- i) Causative agent.
- ii) Epidemiology.
- iii) Pathogenesis.
- iv) Laboratory diagnosis.
- v) Management and prevention.

QUESTION TWO

Discuss mechanisms used by fungi to cause diseases in humans. [20 marks]

QUESTION THREE

Discuss fungal classification based on the following. [20 marks]

- i) Morphology.
- ii) Structure.
- iii) Pathology.

QUESTION FOUR

Discuss the clinical presentation and laboratory diagnoses of dermatophytes mycoses. [20 marks]

QUESTION FIVE

Discuss general types of reproduction recognized in fungi. [20 marks]