

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2018/2019**

**SECOND YEAR FIRST SEMESTER SPECIAL/ SUPPLEMENTARY EXAMINATION FOR THE BACHELOR OF SCIENCE IN COMMUNITY HEALTH**

**ICH 2212: MYCOLOGY**

**DATE: OCTOBER, 2019 TIME: 1 ½ HOURS**

INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

**QUESTION ONE: 48 MARKS**

a. Outline the risk factors for mycosis. (6 marks)

b. Compare tinea ungium and penicillosis. (6 marks)

c. Distinguish between Lobomycosis and Rhinosporidiosis. (6 marks)

d. Pencillosis is an emerging fungal disease. Briefly explain. (6 marks)

e. Compare the pathogenesis of cryptococcossis and histoplasmosis.

(6 marks)

f. Briefly explain the development of aspergilloma. (6 marks)

g. State the use of the following in mycology.

i. Wood’s lamp (2 marks)

ii. India ink (2 marks)

iii. Endotra cheal tube (2 marks)

h. Economic importance of fungi. (6 marks)

**QUESTION TWO: 22 MARKS**

Discuss various methods applied in the detection of respiratory fungal disease

in humans.

**QUESTION THREE: 22 MARKS**

Discuss the various virulence factors among fungal groups.

**QUESTION FOUR: 22 MARKS**

Discuss the epidemiology of systemic fungal infections.