

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE

BOTA 233: MYCOLOGY

STREAMS:

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 03/02/2021

8.30 A.M – 10.30 A.M

INSTRUCTIONS:

Answer all questions in section A and any two in section B

Do not write anything on the question paper

Use illustrations where appropriate to enhance your answer.

SECTION A (30 MARKS)

1. Define the following terms. [3 marks]
 - i. Spore
 - ii. Sclerotium
 - iii. Rizomorph
2. Differentiate between eucarpic and holocarpic thallus. [2 marks]
3. Using illustration, describe the structure and function of appressorium. [4 marks]
4. Discuss asexual reproduction in fungi. [5 marks]
5. Describe the gametangial copulation in fungi. [5 marks]
6. Define heterokaryosis and describe instances that may lead to heterokaryosis condition. [5 marks]
7. Describe the formation of clamp connections. [3 marks]
8. Discuss mode of feeding in fungi. [3 marks]

SECTION B (40 MARKS)

1. Using illustrations, describe methods employed by fungi to bring compatible nuclei together. [20 marks]

 2. Discuss the economic importance of fungi. [20 marks]

 3. Discuss asexual reproduction in fungi [20 marks]
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