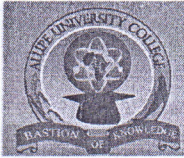


BOT 320



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... Bastion of Knowledge ...

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OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2019 /2020 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY

COURSE CODE: BOT 320

COURSE TITLE: MYCOLOGY

DATE: 3RD NOVEMBER, 2020

TIME: 9.00 AM – 12.00 PM

INSTRUCTIONS TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

REGULAR EXAM – MAIN EXAMS

BOT 320: MYCOLOGY

STREAM: BSc. MICROBIOLOGY

DURATION: 3 Hours

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INSTRUCTIONS TO CANDIDATES

- i. Answer **ALL** questions from section A and any **THREE** from section B.
 - ii. Diagrams should be used whenever they serve to illustrate the answer.
 - iii. Do not write on the question paper.
- =====

SECTION A (24 MARKS)

Question One

- a) State the contributions of the following scientists in mycology.
 - i. Antonio Micheli (2 Marks)
 - ii. Dutch Christian Hendrik Persoon (1 Mark)
 - iii. Elias Magnus Fries (1 Mark)
- b) State four characteristics of a fungus. (4 Marks)
- c) Describe on the body structure of the fungi. (4 Marks)

Question Two

- a) Outline four modes of asexual reproduction in fungi. (4 Marks)
- b) Distinguish between homothallic and heterothallic. (4 Marks)
- c) Explain four harmful effects of fungi. (4 Marks)

SECTION B (36 MARKS)

Question Three

- a) Explain the main cell wall components found in major taxonomic groups of fungi. (6 Marks)
- b) Describe the three kinds of mycelium. (6 Marks)

Question Four

- a) Explain the differences between fungi and plants. (10 Marks)
- b) What is the meaning of the term mycology? (2 Marks)

Question Five

- a) Discuss nutrition in fungi. (6 Marks)
- b) Describe three types of hyphae in class Zygomycetes . (6 Marks)

Question Six

- a) Using an illustration, draw a well labeled diagram of *Rhizopus stolonifer*. (6 Marks)
- b) Give the morphological and ecological description of *Rhizopus stolonifer*. (6 Marks)

Question Seven

Write short notes on the following:-

- a) Fungi reproduction (4 Marks)
- b) Fungi metabolism (4 Marks)
- c) Fungi growth (4 Marks)
