



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER
MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE,
EDUCATION,**

COURSE CODE: SBT 311

COURSE TITLE: GENERAL MYCOLOGY

DATE: 11th January 2018

TIME: 2:00 -4:00 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks , the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1. (a) (i) Name any three species of mushrooms that are of significance in the food industry. (3 marks)
- (ii) List any three organic acids that are commercially prepared from fungi. (3 marks)
- (iii) Explain how *Trichoderma polysporum* has been used in the medical industry. (4 marks)

- (b) (i) Name any three fungi that belong to the sub division Deuteromycota. (3 marks)
- (ii) Outline the three classes of fungi imperfecti. (3 marks)
- (iii) Outline any four characteristics of the sub division Deuteromycota. (4marks)

- (c) (i) Name the fungi that causes potato blight disease. (1 marks)
- (ii) Differentiate Septate hyphae from Coenocytic hyphae. (3 marks)
- (iii) Name the orders of the sub division Zygomycotina. (3 marks)
- (iv) Outline the three kinds of mycelium in fungi. (3 marks)

2. Describe the life cycle of *Rhizopus stonifera*. (20 marks)
3. Discuss sexual reproduction in *Agaricus bisporus*. (20 marks)
4. Discuss morphological diversity in Ascomycetes. (20 marks)
5. Discuss physiology of fungi. (20 marks)