



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2019/2020 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER

SPECIAL /SUPPLEMENTARY EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE;

AGRICULTURE AND BIOTECHNOLOGY

COURSE CODE: SAB 200

COURSE TITLE: PRECISION AGRICULTURE

DATE: 05/02/2021.

TIME: 2-4PM.

INSTRUCTIONS TO CANDIDATES

Answer all questions in SECTION A and any other two (2) questions in SECTION B

KIBU Observes ZERO tolerance to examination cheating.

SECTION A: 30 MARKS

1. i) Distinguish between precision and organic farming. (4mks)
- ii) Global positioning and geographical information systems. (4mks)
- iii) State and explain five factors to consider when planning to undertake precision farming. (10mks)

SECTION B: 40 MARKS

2. State and explain five factors influencing diffusion and adoption of precision agriculture. (20mks)
3. a) State and explain five key objectives of precision agriculture. (10mks)
- b) Outline the types of tools and equipments applied in precision agriculture. (5mks)
4. (i) State and explain five pest management practices undertaken in organic farming. (10mks)
- (ii) State and explain field related information or variables that are important in precision farming (10mks)