



SOUTH EASTERN KENYA UNIVERSITY
UNIVERSITY EXAMINATIONS 2018/2019

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN AGRICULTURE**

ACS 302: PLANT BREEDING

DATE: 7TH DECEMBER, 2018

TIME: 4.00-600 PM

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANSWER ANY TWO QUESTIONS
IN SECTION B**

SECTION A (30 marks):

- 1) Discuss six important activities related to plant genetic resources (10 marks)
- 2) Explain ten benefits of sexual propagation (10 marks)
- 3) Write short notes on five plant tissue culture techniques (10 marks)

SECTION B (40 marks):

- 4) Describe five types of crop variety trials (20 marks)
- 5) Discuss five applications of plant polyploids (20 marks)
- 6) Discuss marker assisted selection (20 marks)