

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

**UNIVERSITY EXAMINATIONS 2018/2019**

**SPECIAL/SUPPLEMENTARY EXAMINATIONS**

**AHS 2206: PLANT PROPAGATION**

**DATE: JUNE 2019 TIME: 2 HOURS**

INSTRUCTIONS: ANSWER ALL THE QUESTIONS TOTAL MARKS 70

Q1) It is not unusual for higher plants including crops to bear fruits with multiple embroys in their seeds. Give the possible causes of this phenomenon (occurrence) citing specific crop examples (10 marks)

Q2) Discuss the importance of green houses in plant propagation and production (10 marks)

Q3a) What is the role of manure as a component of propagation media (5 marks)

b) Discuss the effects of water and temperature on seed germination (5 marks)

Q4) Describe any two methods of testing seed viability (10 marks)

Q5) Discuss the strategies for promoting root formation in cuttings (10 marks)

Q6) Explain why commercial maize and mango producers rely on other people for seed/propagules (10 marks)

Q7) Describe any five asexual propagation structures (propagules) that are commercially used for multiplication of food crops (10 marks)