MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND TRADE

AGB 409: AGRICULTURAL INNOVATIONS AND INTELLECTUAL PROPERTY RIGHTS

DATE: 26/7/2019   **TIME: 2.00-4.00 PM**

INSTRUCTIONS;
Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

a) List five steps of registering copyrights in Kenya   (5 Marks)

b) What is the role of research and development in promoting agricultural innovations? (5 Marks)

c) Describe the innovation platform for technology adoption value chain approach   (5 marks)

d) Using relevant examples, explain the following terms: Agricultural innovation, agricultural innovation system and innovation hub   (9 marks)

e) What is the role of policy in promoting agricultural innovations and technologies? (6 marks)

QUESTION TWO (20 MARKS)

a) List and describe at least three steps of the initiation phase of establishing an innovation platform   (6 Marks)

b) List four examples where intellectual property rights can be applied in the Agricultural sub-sector   (8 Marks)

c) What are the three key elements of an agricultural innovation system   (6 marks)

QUESTION THREE (20 MARKS)

a) A cassava innovation platform in Kitui has developed a cassava based product which is now ready for commercialization. What advice would you give to the innovation platform on the stages to follow in registering their product, promoting and commercializing it   (10 Marks)

b) Describe five priority sectors for the Science, Technology and Innovation Policy   (10 marks)

QUESTION FOUR (20 MARKS)

a) With relevant examples, discuss five agricultural innovation strategies in Kenya   (10 marks)

b) Outline three main challenges facing cassava value chain in Kenya and explain how innovation platform approach could be applied to address the challenges   (10 marks)

QUESTION FIVE (20 MARKS)

a) Differentiate between the National Agricultural System (NARS), Agricultural Knowledge Information Systems (AKIS) and the Agricultural Innovation Systems (AIS). In each category describe the stakeholders, approaches, policy roles, capacities and outcomes   (10 Marks)

b) Explain five main factors that influence adoption of an agricultural innovation   (5 marks)

c) Describe the innovation platform for technology adoption value chain approach using orange fleshed sweet potatoes as an example   (10 marks)