

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER MAIN EXAMINATIONS

FOR DIPLOMA IN GENERAL AGRICULTURE /DIPLOMA IN HORTICULTURE

COURSE CODE: DAG 093

COURSE TITLE: SOIL AND WATER CONSERVATION

DATE: 22ND APRIL, 2022

TIME: 8-10AM

INSTRUCTIONS TO CANDIDATES

Answer all the Questions

Time: 2 Hours

MMUST observes ZERO tolerance to examination cheating

Provide the universal soil loss equation and what its components mean (8 marks)

Question 2:

Outline any 6 benefits of investing in soil and water conservation in your county
(6 marks)

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Describe any 5 cultural/agronomic measures of soil and water conservation
(10 marks)

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Provide the key function of any five structural soil and water conservation measures (5 marks)

Question5:

Outline any 5 factors you would consider when deciding the use of terracing as an intervention in soil and water conservation (10 marks)

Ouestion 6:

Outline the main activities done in a successful telescopic profile levelling
(12 marks)

Question 7:

Briefly explain the principles of organic farming/agriculture (8 marks)

Question 8:

For each principle of conservation agriculture, provide its relevance to soil and water conservation (6 marks)

Ouestion 9:



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MASINDE MULIRO UNIVERISTY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR (REGULAR) THIRD YEAR SECOND SEMESTER MAIN EXAMS FOR DIPLOMA IN GENERAL AGRICULTURE

COURSE CODE: DAG 094

COURSE TITLE: ENTREPRENEURSHIP

DATE: 21ST APRIL, 2022

TIME: 12-2PM

INSTRUCTIONS TO STUDENTS
Answer all questions in section A
Answer any ONE questions in section B
Total marks=70

MMUST observes ZERO tolerance to examination cheating

SECTION A: ANSWER ALL QUESTIONS (50 MARKS)

QUESTION ONE (30 MARKS)

- a) Definethetermentrepreneurship (2 marks)
- b) Stateandexplainfourwaysofidentifyingbusinessopportunities(8 marks)
- c) Describe what a market is(2 marks)
- d) Explain howmarketsdetermine the success of an enterprise (8 marks)
- e) Describe 5 functions of the entrepreneur insociety. (10 marks)

QUESTION TWO (20 MARKS)

- a) Elucidate5 reasons why the government of Kenya is encouraging entrepreneurship in schools
- b) (10 marks)
- c) Outline four advantages of a business plan

(4 marks)

d) Explain 3 gaps that may create a business opportunity in the market

(6marks)

SECTION B:ANSWER ANY ONE QUESTION (20 MARKS) QUESTION THREE (20 MARKS)

Assumingthatyouhavethe

requiredresources(financial),asanentrepreneuridentifyabusinessactivityyouwillpursueinyour area. Give reasonsand processofidentifying theactivity.

(20 marks)

QUESTION THREE (20 MARKS)

- a) Most small-scale enterprises carry out trading activities at a central location. Outline themeasuresanentrepreneurwould taketo gaina competitiveedge over her competitors (10marks)
- b) Explain 5 internal factors that motivate a person to become an entrepreneur 10 marks

QUESTION THREE (20 MARKS)

- a) Discuss the common alities between creativity, innovation and entrepreneurs hip (10 marks)
- b) Examinethevarious sources of innovations (10 marks)



MASINDE MULIRO UNIVERISTY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR (REGULAR) SECOND YEAR SECOND SEMESTER MAIN EXAMS FOR DIPLOMA IN GENERAL AGRICULTURE AND HORTICULTURE

COURSE CODE: DAG 080

COURSE TITLE: EDUCATION EXTENSION

DATE: 21STAPRIL, 2022

TIME: 12-2PM

INSTRUCTIONS TO STUDENTS
Answer all questions in section A
Answer any ONE questions in section B
Total marks=70

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SECTION A: 50 MARKS

Question One (20 Marks)

- a) Define the following terms as used in extension(10 Marks)
 - i) Non-formal education
 - ii) Informal education
 - iii) Formal education
 - iv) Extension services
 - v) Extension program
- b) Outline 5 reasons why the study of education extension is encouraged in Universities (5 Marks)
- c) Distinguish between extension system and extension methods and give an example in each (5 Marks)

Question Two (30 marks)

You are hired to initiate and operate an extension programmein your county.

- a) Discuss 5 reasons why you should consider agriculture as a system(10 Marks)
- b) Explain 5 basic ethics that will guide the discharge of your mandate(5 Marks)
- c) Describe 5 responsibilities you expect to deliver

(10 Marks)

d) Briefly explain 5 extension strategies you may use to ensure success of the programme (5 Marks)

SECTION B:ANSWER ANY ONEQUESTIONS (20 MARKS)

Question Three (20 marks)

Discuss extension approaches used in Kenya

(20

Marks)

Ouestion Four (20 marks)

Discuss the steps involve in extension programme development process

(20 Marks)



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UNIVERSITY MAIN EXAMINATION 2021/2022 ACADEMIC YEAR THIRD YEARS FIRST SEMESTER FOR

DIPLOMA INGENERAL AGRICULTURE

COURSE CODE:DAG 098

COURSE TITLE: PUBLIC ADMINISTRATION, ORGANIZATION AND MANAGEMENT

DATE:11/1/22

TIME: 3-5 PM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and B

TIME: 2 Hours

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SECTION A: ANSWER ALL QUESTIONS

QUESTION ONE (15 MARKS)

(a) What do you understand by the following terms:

6Marks

- i Agricultural organization
- ii Administration
- iii Management

(b)Use a table to differentiate between theory X and theory Y

6 Marks

(c) State the 3 techniques to succeed in management according Sun Tzu

3 Marks

QUESTION TWO (15 MARKS)

Suppose you have been appointed at the Ministry of Agriculture to be in charge of agricultural extension services in Kakamegacounty;

- (a) State 5 management functions that you will be involved in your managerial work. 5 Marks
- (b) Identify 5 types of management competences/skills you will require at this level. 5 Marks
- (c) Identify 5 challenges you expect in your managerial work. 5 Marks

SECTION B:ANSWER ALL QUESTIONS

QUESTION THREE (20 MARKS)

A newly appointed Cabinet Secretary for Agriculture plans to create structures and systems for effective management of the ministry.

- (a) Explain 5 reasons why the Cabinet Secretary should consider the Ministry as a management system.

 10 Marks
- (b) Indicate using a diagram, 4 subsystems that the Cabinet secretary should ensure are in place.

10 Marks

QUESTION FOUR (20 MARKS)

- (a) There are 3 sub-theories of classical theory of management. Distinguish the sub-theories and explain the relevance of each to agricultural manager.

 15 Marks
 - (b) Identify 5 hygiene factors according to Herzberg's two factor theory

5 Marks