

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF SCIENCE IN AGRICULTURAL ECONOMICS

AGEC 344: FARM MANAGEMENT (APPLICATION)

STREAMS: BSC (AGEC) Y3S2

TIME: 2 HOURS

DAY/DATE: TUESDAY 11/04/2023

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS: Answer question ONE and any other TWO questions

QUESTION ONE

- (i) Farm managers must gather information from field and common way to that is through carrying out a survey. Following the right sequence explain how you would prepare and conduct a survey in a particular country for a given area you want to study. [10 marks]
- (ii) Discuss the factors which have brought about limited success in farming systems development. [10 marks]
- (iii) Explain the various factors that are considered in the definition of various enterprises and hence explain your understanding of a farm enterprise. [6 marks]
- (iv) What do you understand by the term enterprise analysis. [4 marks]

QUESTION TWO

Select two agricultural enterprises and explain with clear illustrations to show how they have contributed to the national economy of a developing country like Kenya. [20 marks]

QUESTION THREE

- (i) A lack of compatibility between technologies and policy support system has often been a major factor inhibiting agricultural development in the past. Discuss by giving your justification to this statement. [10 marks]
- (ii) Discuss the characteristics of farming system development. [10 marks]

QUESTION FOUR

Assume that you are a farm manager of a given medium size farm in a high potential area of Molo district with the relevant activities and constraints as show below

		Pyrethrum (P)	Dairy (D)	Potatoes (Po)	Maize (M)	Wool sheep (Ws)
	GM per acre	550	385	370	220	180
		<i>Resource coefficients</i>				
Constraints	Resources					
1 st rains land	160 acres	1	1	1	0	1
1 st rains land	160 acres	1	1	0	1	1
Pyrethrum quota	40 acres	-	-	-	-	-
March labour	2400 MDs	0	30	20	0	20
April labour	2400 MDs	30	20	10	0	15
August labour	2400 MDs	20	20	10	10	10
Nov. labour	2400 MDs	0	30	0	5	10
Dec. labour	2400 MDs	35	10	0	5	10

Required:

Develop a program plan for the farm, giving the feasible enterprise combination that maximizes farm profits. [20 marks]
