AGICULTURE PAPER 1

NYANDARUA COUNTY MOCKS EXAMS

443/1

SECTION A

Answer all questions provided in this section

1. State four ways by which plants nutrients may be lost from the soil (2mks)

2. Give four ways in which mulching helps in conserving soil and water (2mks)

3. State four reasons for proper drying of grains before storage (1mk)

4. State three beneficial effects of soil organism (1 ½ mks)

5. Mention practices carried out on stored hay to reduce the risk of fire (1mk)

6. Give a reason why harvested cotton should not be stored in sisal bags (1mk)

7. Mention four effects of late defoliation in forage production (2mks)

8. Give two forms of side dressing in fertilizer application (2mks)

9. Given that the fertilizer grade of a certain fertilizer is 18:46:0 give its fertilizer ratio (1mk)

10State three ways in which soil PH influences crop production. (1 ½ mk)

11. Mention two advantages of cutting back pyrethrum (1mk)

12. State four disadvantages of poor timing of harvesting cereal crops (2mks)

13. Define the following terms

i) Straight fertilizer (1mk)

ii) Pomoculture (1mk)

14. State why a house is both a consumer and a procedure (2mk)

15. Give four types of pesticides according to the specific pest each kills (2mks)

16. Explain the following terms as used in pasture management (1mk)

i) Reseeding

ii) Topping

17. Give three control measures of maize streak viruses in maize production (1 ½ mk)

18. List four pieces of information contained in an invoice (2mks)

19. State three forms of capital (1 ½ mks)

SECTION B

Answer all questions in this section

20. a) The diagram below shows a sisal plant, study it and answer the following questions

i) State the vegetation part used for the propagation of the plant (1mk)

ii) Give one advantage of the planting material named above over use of suckers (1mk)

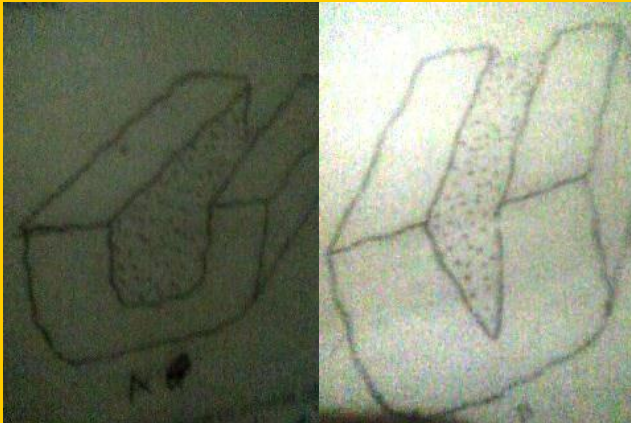b) A farmer in Ndaragwa was advised to plant maize at a spacing of 100cm by 50cm in his one hectare piece of land.

i) Calculate the plant population in his maize field (show your working) (2mks)

ii) Give two undesirable effects of high population density in a maize field grown for grains (2mks)

21. The graph below shows a method of price determination in a free market; use it to answer the questions that follow

i) Name the curve labeled J and K (1mk)

ii) What is the name given to the point where the two curves J and K meet (1mk)

iii)Differentiate between monopoly and monopsony (2mks)

22. The diagrams below illustrates two types of gulley erosion, use it to answer the questions that follow

a) Name the type of erosion labeled A and B (1mk)

A..............

B.............

b) Explain one condition necessary for the formation of each type of erosion named above (2mks)

A...

B...

23. The diagram below shows a vegetative propagation unit (V.P.U) form raising seedling. Study it and answer the questions that follow

a) Name the part labeled D on the diagram (1mk)

b) Give two functions of the part labeled D named above (2mks)

c) State two advantages of raising seedling in polythene sleeves (2mks)

SECTION C (40 MKS)

Answer any two questions from this section

24. a) Explain six ways farmers may adjust to risk and uncertainties (12mks)

b) Explain four polices the government should institute to regulate the amount of imported agricultural goods (4mks)

c) State the various methods of clearing land (4 mks)

25. a) State three pieces of information contained in a muster roll (3mks)

b) State four field management practices in production of carrots (4mks)

c) Explain six disadvantages of communal land tenure system (6mks)

d) (i) Giving examples explain why agriculture is a science (4mks)

ii) Define the following terms

a) Purchase order (1mk)

b) Ledger book (1mk)

c) Gross domestic product (1mk)

26. a) Describe production of dry bean under the following sub headings.

i) Land preparation (3mks)

ii) Field management practice

b) Describe harmful effects of weeds on crop production (8mks)

c) Describe the importance of Agroforestry (5mks)