



**EXCEL JOINT MOCK FOR SECONDARY SCHOOLS-JUBA EXAMINES CANDIDATES FOR
CERTIFICATE OF SECONDARY EDUCATION (CSE)**

MOCK EXAMINATION, AUGUST 2024.

DATE:___/AUGUST/2024

SUBJECT: AGRICULTURE

TIME: 3HOURS

INDEX:

SCHOOL CODE:

SECTION:

SIGN:

INSTRUCTIONS:

- This paper consists of three (3) sections A, B and C.
- Section A has ten (10) objective questions that carry ten (10) marks.
- Section B has five (5) structured questions that carry thirty (30) marks.
- Section C contains four parts, part I, part II, part III and part IV, each part has two (2) easy questions.
- All questions in Section (C) carry equal marks.
- Answer all questions in Section (A) and (B) and choose only one question in each part of Section (C)

FOR EXAMINER'S USE ONLY

Section		Questions	Marks obtained	Marked by	Checked by
A		10 Marks			
B		30 Marks			
C	Part I	15 Marks			
	Part II	15 Marks			
	Part III	15 Marks			
	Part IV	15 Marks			
Total		100%			

SECTION A (10Marks)

Circle the right of answer of your choice.

Qn1 which of the following is not a branch of agriculture?

- A. Crop production.
- B. Economic.
- C. Agricultural mechanization and engineering.
- D. Animal production.

Qn2 Nitrogen fertilizer is not normally applied to a grass legume mixed pasture because;

- A. Legume fixes sufficient nitrogen for pasture.
- B. Grass may grow to suppress the legume.
- C. Nitrogen may become toxic to the legumes.
- D. Nitrogen suppresses the uptake of essentials for the pasture.

Qn3 In cattle a diseases that cause sudden death with a blown up stomach and blood coming out of the body opening is likely to be;

- A. Brucellosis.
- B. Contagious bovine pleuro pneumonia.
- C. Anthrax.
- D. Tuberculosis.

Qn4 the process by which soil loses its fertility into the air is known as

- A. Volatilization.
- B. Burning.
- C. Leaching.
- D. Soil erosion.

Qn5 hot water treatment is given to banana sucker before planting in order to;

- A. Stimulate root development.
- B. Control banana weevils.
- C. Encourage the development of fresh suckers.
- D. Control banana nematodes.

Qn6 what is the meaning of the word “stock rate”?

- A. Number of animal per land.
- B. Number of animal per unit area.
- C. Number of animal per capital.

D. Number of animal per labour.

Qn7 The following are parts of fuel system of a diesel engine expect;

A. Fuel lift pump.

B. Injector pump.

C. Fuel filters.

D. Spark plug.

Qn8 which one of the following is classified as an uncertainty in a production process?

A. Price fluctuation.

B. Weather changes.

C. Accident to employees.

D. Pest and diseases outbreak.

Qn9 which of the following is not a primary cultivation equipment?

A. Rotary cultivation.

B. Disc plough.

C. Ox-mould board plough.

D. Disc harrow.

Qn10 opportunity cost maybe defined as;

A. The cost of establishing a new business.

B. The value of resources given up as a result of choosing its next best alternative.

C. Costs must to be met irrespective of the level of production.

D. Hidden costs in a production process.

SECTION B: (30 Marks)

Answer all.

1. Define the following agricultural terms(5 marks)

(i) Flouriculture

(ii) Olericulture

(iii) Pomoloculture

(iv) Aquaculture

(v) Agriculture

2. (a). What is organic farming? (2 marks)

(b). Outline 4 advantages of organic farming? (4 marks)

3. a) Differentiate between mixed farming and mono-cropping (2 marks)

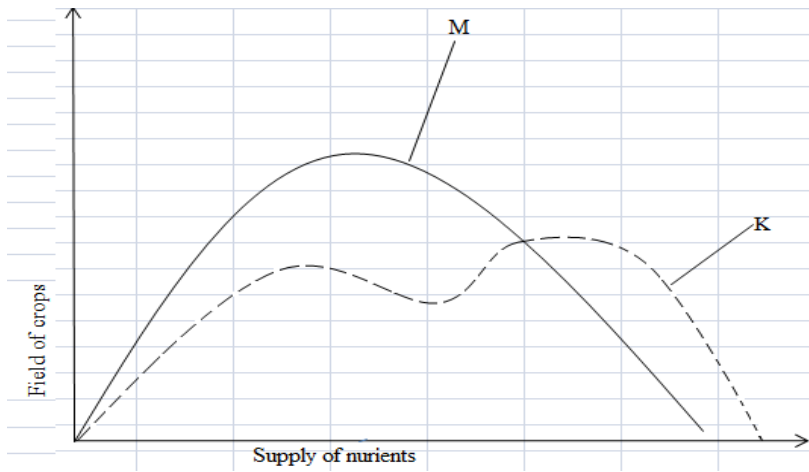
(b) Mention four advantages of practicing mixed farming. (4 marks)

4. (a) Explain the influence of soil structure on crop production (4marks)

(b). Describe the role of living organism in the soil formation process. (4marks)

5a) What is soil fertility? (1 Mark)

(b) Figure one below is a graph illustrating the response of crops to increased supply of both macro and micro nutrients in the soil.



(i) Which curve represents growth response to? (2 mark)

(a) Micro nutrients?

(b) Macro nutrients?

(ii) Give reasons for your answer in b (i) above (2 Marks)

Answer only one Question

iii) Rogueing

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Answer only one Question

(03 marks)

II). Outline ways of spread of livestock diseases. (5 marks)

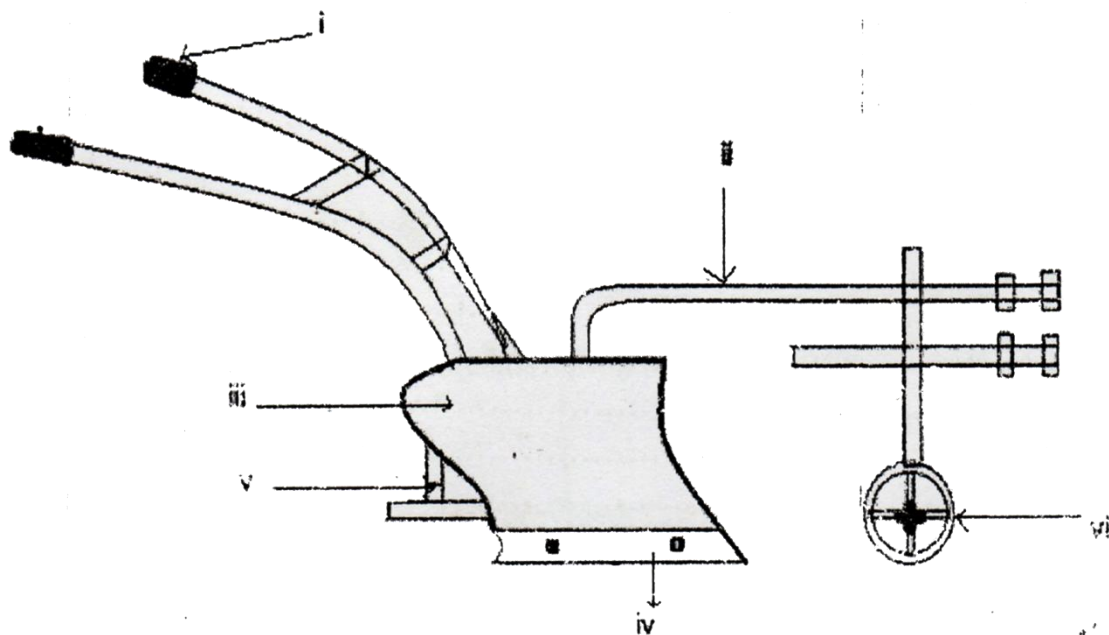
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PART III AGRICULTURAL MECHANISATION AND ENGINEERING (15 MARKS)

Answer only one question

1. The diagram below shows a farm implement use it to answer the question that follows.



a). I. Identify the implement (1 mark)

II. Name the part labeled I, ii, iii, iv ,v and vi(6 marks)

b). Give the functions of each of the following parts marked I, ii, iii and iv (4 marks)

c). Outline the limitations of farm mechanization in South Sudan (4 marks)

2. (a) Define the term farm structures. (01 mark)

(ii) Outline any six farm structures. (03 marks)

(b) State reasons why farmers of South Sudan should fence their land. (06 marks)

(c) Outline five importance of a cattle crash on a farm. (05 marks)

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AGRICULTURAL ECONOMICS (15 MARKS)

Answer only one question.

1a). How does a balance sheet differ from a profit and loss account? (2 marks)

b). Using the information below prepare a balance sheet for Mr. Oduk's mixed farm as at 31st Dec. 2017.
(10marks)

Value of implement.	850 SSP
Feeds in store.	150 SSP
Bank overdraft.	400 SSP
Value of crops.	245 SSP
Cash in the bank.	450 SSP
Depreciation.	85 SSP
Debt payable.	110 SSP
Livestock.	462 SSP
Prepaid expresses.	50 SSP

i. Prepare a balance sheet for the above information (10marks)

c). State the advantages of preparing a balance sheet. (3marks)

Qn15a). Distinguish between market and marketing? (4marks)

b). Suggest some solutions to the problems facing marketing of agricultural products in south Sudan
(8marks)

c). State functions of market. (3 marks)

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THE END@EXCEL 2024.