Name	www.freekcsepastpapers.com	www.freekcsepastpapers.com	www.freekcsepastpapers.com Index no
Schoo	d:		Candidate's sign
Date:			
443/1			
AGRI PAPE	CULTURE		
	UST/SEPT 2022		

#### SUKELLEMO JOINT EXAM

#### **INSTRUCTIONS TO CANDIDATES:**

- Sign and write the date of the examination in the spaces provided above.

  This paper consists of three section A,B and C

  Answer all the questions in section A and B

  Answer any two questions in section C.

  Answers should be written in the spaces provided in this back!

- Answers should be written in the spaces provided in this booklet.

#### For Examiner's Use Only:

**TIME: 2 HOURS** 

SECTION	QUESTIONS	MAXIMUM SCORE	CANDIDATES SCORE
A	1-18	30 KC	
В	19-22	30	
С	23- 25	20	
	jist	20	
	TOTAL	90	

This paper consists of 8 printed pages. Candidates should check to ascertain that all papers are printed as indicated and that no questions are missing

# **SECTION A: (30MARKS)**

# Answer all questions in this section in the spaces provided.

1.	State <b>four</b> factors which determine the farming systems adapted by farmers.	(2mks)
2.	State four benefits of a good soil structure. (2mks)	
3.	Name <b>two</b> types of inventories used in the farm.	(1mk)
4.	Give <b>four</b> reasons for sub-soiling in a maize field.	(2mks)
5.	State <b>four</b> qualities considered when selecting seeds for planting.	(2mks)
	Kost Cost	
6.	Give <b>four</b> conditions which make is necessary to use a nursery in crop establishment.	(2mks)
7.	State <b>two</b> factors that determine the amount of fertilizer to be used as a top dress in forag	
8.	State <b>four</b> effects of late defoliation.	(2mks)

9.	State <b>four</b> benefits of agro-forestry trees on terraces.	(2mks)
10.	State four advantages of planting potatoes in ridged seedbeds.	(2mks)
11.	Name two vegetative materials used in establishment of pineapples.	(1mk)
	anterit.	
12.	State <b>four</b> changes that would indicate improvement of labor effecieicny in a farm.	(2mks)
	do lo lie	
	to <sub>t</sub> to <sub>t</sub>	
13.	Give <b>four</b> general symptoms shown by crops infected by viral disease.	(2mks)
	- A STORY	
	e Kristonia (Mariante Mariante) (Mariante) (	
	What would happen to the price of a commodity if the supply of the commodity denand changing? (1mk	araaaa withaut tha
	ist	
15.	What are complementary products?	(1mk)
16.	State two problems that maybe brought by hardpans	
17.	Differentiate between thinning and pricking out.	(2mks)

18. State two ways in which crop rotation controls weeds	(1mk)
SECTION B: (20 MARKS)  Answers all questions in this section in the spaces provided.	
19. The diagram below illustrates a vegetative propagation material. Study it carefully questions that follow.	and answer the
x. (e) revision content	
(a) Identify the organ.	(1mk)
(b) Label the party <b>X</b> and <b>Y</b> .	(2mk)
Y	•••••
(c) Name the method that was used in preparing the above vegetative for planting	ng. (1mk)
(d) Name one environmental condition that are necessary for the success of this the plant materials. (1mk)	
20. The diagram below shows a structure used to collect water in the farm.	
Output pipe with tap	

	(1mk)
(b) Give <b>two</b> factors that will determine the amount of water collected	d from the above mentione
structures.	(2mks
(c) Outline one maintenance practice that should be carried out on part	rt labeled c above. (1mk)
Name one other method used to collect water in the farm.	(1mk)
e diagram below is a type of a terrace.	
(a) Name the type of terrace illustrated above.	(1mk)
2003	(1mk) (1mk)

# 22. Use the information given below to prepare cash analysis. (6mks)

01/01/05	Opening balance	30,000.
01/01/05	Purchase of 20kg potato seeds	45,000.
06/01/05	Purchase of 400kg dairy meal	3000.
07/01/05	Sale of 85 trays of eggs	5000.
08/01/05	Purchase of 200kg fertilizer	2400.
14/01/05	Sale of 1500 litres of milk	5000.
20/01/05	Sale of 2 sacks of potato	6000.
26/01/05	Purchase of 800kg layers mash	6000.
28/01/05	Sale of 200 litres of milk	5500.
31/01/05	Closing balance	33,200.

	XV
	con
	ision
	6 N
	Role
	com
z st. 200 est.	oʻ
1000	
<i>,</i> é	
ny	
jisit	

# **SECTION C (40 MARKS)**

# Answer any two questions in this section in the spaces provided after question. 23

23.	(a) State four types of micro catchments.	(4mks)	
	(b) Outline four benefits of primary cultiva	ation. (4	4mks)
	(c) A farmer has 160 hectares of arable l	and, 60 ha of which is under	wheat,
	32 ha under maize, 12 ha under fodder	r crops and the rest under pas	sture. He wishes to know
	whether replacing 12 ha of maize with	Irish potatoes the following	year would be worthwhile.
	The fertilizer rate would have to be in-	creased from 5 bags per ha fo	or maize to 7 bags per ha for
	Irish potatoes .An extra 100 man — d	lays of casual labour per ha v	vill be necessary as a result of
	the change. The average yield of main	ze and Irish potatoes is 45 an	d 115 bags / ha respectively.
	The prices are 1400/= per bag for mai	ze and 1200/= per bag for Iri	sh potatoes. Seed costs are
	2500/= per ha for maize and 30,000/=	per ha for Irish potatoes.	"ant
	Fertilizer costs are 1300/= per bag. Lal	oour is paid at 150/= per man	day.
	Draw up a partial budget and indicate th	ne effects of the change.	(l2mks)
		revis	
24.	Describe the field production of sorghum un	der the following sub- heading	ngs.
	i) Seedbed preparation.	ider the following sub- headil	(5mks)
	ii) Planting.	com,	(3mks)
	iii) Harvesting	ais.	(2mks)
b)	Explain <b>five</b> instances when it is advisab		veeds.(5mks)
c)	Outline five environmental factors that	vould determine the types of	crop that a farmer should grow
	in an area. (5mks)		
25.	a) Explain four methods of preventing water	pollution. (4mks)	
b) E	xplain four factors that influence seed rates.	(8mks)	
c) D	escribe four methods of fertilizer application	n in crop production. (8mks)	
	7,		
• •			
• •			
•••			
•••			

www.freekcsepastpapers.com	www.freekcsepastpapers.com	www.freekcsepastpapers.com
	•••••	
	• • • • • • • • • • • • • • • • • • • •	
	• • • • • • • • • • • • • • • • • • • •	
		ant and a second
	•••••	-ONI
	•••••	
		kėj (Company)
	Ø	<u> </u>
	Joile	
	·····	
	300 at 200 as some to the control of	
	ers.	
	~00°	
•••••		•••••
	<u>.</u> @X	
% <sup>C</sup>		
, from		
ist munteeks		
•••••		•••••
	•••••	
	•••••	
	•••••	

www.freekcsepastpapers.com	www.freekcsepastpapers.com	www.freekcsepastpapers.com
	•••••	
	•••••	
	•••••	
		ron"
		cour
	• • • • • • • • • • • • • • • • • • • •	<i>r</i>
	·····igi	
	₹©	
	-010	
•••••		• • • • • • • • • • • • • • • • • • • •
	segastagers, control more revision for more revi	
	con.	
	3(5.	
	<u>e</u> tQ	
	2003	
\(\cdot\)	)	
and		
isi www.teeke		
		•••••
•••••		• • • • • • • • • • • • • • • • • • • •

www.freekcsepastpapers.com	www.freekcsepastpapers.com	www.freekcsepastpapers.com
	•••••	
		•••••
		•••••
		•••••
	•••••	•••••
		·····
		<b></b>
	, e <sup>Me</sup>	
	Ko,	•••••
	agastoagers, control and agastoagers, control agast	
	eks.	
	<u>.</u>	
	38	
1.Ke		
ann's		
ist whateeke		