THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

034/2

AGRICULTURAL SCIENCE 2 PRACTICAL

(For School Candidates Only)

TIME: 21/4 Hours

Wednesday morning 24/10/2007

Instructions

- This paper consists of three (3) questions.
- 2. Answer two (2) questions
- 3 Each question carries 25 marks.
- 4. Read the instructions for each question carefully before you start answering it
- Cellular phones are not allowed in the examination room.
- Electronic calculators are not allowed in the examination room.
- Write your Examination Number on every page of your answer booklet(s).



This paper consists of 3 printed pages.

- You are provided with specimens S₁, S₂, S₃, E₄, E₂, E₃ and E₄. Observe them carefully and then answer the following questions.
 - (a) Identify each of the specimens S1, S2, S3, E1, E2, E3 and E4 (3½ marks)
 - (b) A soil sample consists of 40% of S₁, 40% of S₂ and 20% of S₃. State the name of this soil sample. (2½ marks)
 - (c) (i) Which soil specimen is most difficult to cultivate? (2 marks)
 - (ii) Which soil specimen is nighly aerated? (2 marks)
 - (d) (i) State the functions of each of the specimens E₁, E₂, E₃ and E₄.

 (4 marks)
 - (ii) Why is it not advisable to apply oil on specimen E4? (2 marks)
 - (iii) Name five (5) shapes on which specimen E₄ can be made.

 (5 marks)
 - (iv) State a good way of storing specimen E₄ in a farm workshop.

 (2 marks)
 - (v) Name four (4) types of specimen E₄ in terms of roughness.

 (2 marks)
- You are provided with specimens C₁, C₂, C₃, C₄, C₅ and C₆. Observe them
 carefully and answer the following questions:
 - (a) State the common name and the botanical name of each of the specimens C₁, C₂, C₃ and C₆ (4 marks)
 - (b) (i) State the mode of propagation of specimens C₁, C₂ and C₅.

(3 marks)

- (ii) State the best soil type for growing C2. (1 mark)
- (iii) What is the most commonly grown variety of C₂? (1 mark)
- (iv) Name six (6) pests of C₂. (6 marks)
- (v) Name the disease that affects C₂ and state the way it can be controlled. (2 marks)
- (c) Refer to specimen C₃
 - (i) State the most common disease that affects the plants of this specimen. (2 marks)
 - (ii) How is this specimen harvested and processed before it is stored?

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	(d)	(i)	Name the crop which specimen C ₄ infects.	(1 mark)
		(ii)	How is C ₄ controlled?	(1 mark)
	(e)	(i)	C ₅ appears in various varieties. Name the variety of C ₅	given. (1 mark)
		(ii)	Name two (2) pests of C ₁	(1 mark)
			Two (2) pests of C1.	
3.	You ar	re provi lly and	ided with specimens L ₁ , L ₂ , L ₃ , L ₄ , L ₅ , L ₆ , L ₇ and L ₈ . Other answer the following questions:	oserve them
	(a)	Identi		marks)
	(b)		the functions of: (i) L ₁ (2 marks) (ii) L ₄	(2 marks)
	(c)	State t	the function of each of the specimens L ₅ , L ₆ and L ₇ in the	ne animal (9 marks)
	(d)		ich specimen is S ₈ found?	(2 marks)
	(e)	(i)	Name four (4) components present in specimen L ₃ .	(4 marks)
		(ii)	Name two (2) components present in L ₂ .	(2 marks)
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