



Republic of South Sudan
Ministry of General Education & Instruction
Secretariat of Examinations

045/1
AGRICULTURE
PAPER ONE
1¹/₂ hours

SOUTH SUDAN CERTIFICATE OF SECONDARY EDUCATION (SSCES) EXAMINATIONS

Nov/Dec, 2012
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AGRICULTURE
PAPER ONE

TIME: 1¹/₂ HOURS

INSTRUCTIONS

Read the instructions carefully before answering any question

1. *This paper consists of 30 multiple choice questions and 5 structured questions. All are compulsory.*
2. *Answers to the multiple choice questions must be written in the boxes provided on the right hand side corresponding to each question; and that of the structured questions in the spaces provided on the question paper.*
3. *No extra sheets of papers shall be provided.*

FOR EXAMINERS USE ONLY		
	EXAMINER	TEAM LEADER
SECTION A		
SECTION B		
TOTAL MARKS		

SECTION A

1. Which of the following is **not** a branch of agriculture?

- a) Crop production
- b) Economics
- c) Agricultural mechanization and Engineering
- d) Animal production

2. The following are problems facing agriculture in South Sudan **except**

- a) Tools
- b) Climate
- c) Transport
- d) Land

3. The system of farming where short term crops are grown is known as

- a) Arable farming
- b) Plantation
- c) Small scale farming
- d) Mixed farming

4. Which of the following is a biotic factor?

- a) Pests
- b) Market
- c) Wind
- d) Soil PH

5. The process by which soil loses its fertility in to the air is known as

- a) Leaching
- b) Burning
- c) Volatilization
- d) Soil Erosion

6. Which pair of words suits the best methods of conserving soil and water in a hilly area

- a) Contour farming and terrace
- b) Contour farming and bunds
- c) Terrace and bunds
- d) Mulching and terrace

7. The main cause of physical weathering is

- a) Contraction and farming
- b) Digging and expansion
- c) Contraction and expansion
- d) Digging and contraction

8. The liquid substance in the center of a spirit level is known as

- a) Water
- b) Oil
- c) Mercury
- d) Alcohol

9. Which of the following is **not** a primary cultivation equipment?

- a) Disc plough
- b) Disc Harrow
- c) Rotary cultivation
- d) Ox mouldboard plough

10. The most appropriate depth of planting maize and bean seeds is

- a) 2.5 cm – 10 cm
- b) 1.5 cm – 2.5 cm
- c) 3.5 cm – 4.5 cm
- d) 0.5 cm – 1.5 cm

11. Which of the following crops is a leguminous plant?

- a) Oats
- b) Simsim
- c) Cow peas
- d) Tomatoes

12. The most expensive method of controlling pests and diseases in the farm is known as

- a) Chemical method
- b) Physical method
- c) Biological method
- d) Cultural method

13. Which of the following is an advantage of weeds?

- a) Competition with crops
- b) Poisonous to both man and animals
- c) Source of food to both man and animals
- d) Reduce crop yields

14. What is the meaning of the word 'stock rate'?

- a) Number of animal per land
- b) Number of animal per capital
- c) Number of animal per labour
- d) Number of animal per unit area

15. The process by which a farmer introduces a new variety of crop that takes short time to mature is called?

- a) Selection
- b) Hybridization
- c) Cross breeding
- d) In breeding

16. Which of the following practices aims at reducing excess plant population in the field?

- a) Rogueing
- b) Earthing
- c) Gapping
- d) Pruning

17. Which one of the following is a remarkable difference between the two and four stroke engine?

- a) Two stroke engine has valves
- b) Four stroke engine has no valves
- c) The four stroke events are completed in one cycle for a four stroke engine
- d) Two stroke engine are used for light jobs/works

18. The sharp edge used for cutting the furrow slice found in both tractor and ox-drawn implements is known as

- a) Beam
- b) Share
- c) Frog
- d) Hake

19. The main reason for water treatment is to

- a) Add flavor
- b) Destroy pathogen
- c) Add germs
- d) Add smell

20. The two main methods of drainage are

- a) Surface and over head
- b) Sub-surface and over head
- c) Surface and sub-surface
- d) Channel and over head

21. The type of irrigation where water is supplied through pipes mounted with sprinklers is called?

- a) Surface irrigation
- b) Sub-surface irrigation
- c) Drip irrigation
- d) Over head irrigation

22. The elements below can be used customary to guarantee the safety of water **except**?

- a) Chlorine
- b) Chlorinated lime
- c) Sodium hypochloride
- d) Copper

23. Which one of the following is not a factor of production?

- a) Land
- b) Management
- c) Labour
- d) Transport

24. Which of the following affects efficiency standards?

- a) Prices
- b) Capital
- c) Input
- d) Output

25. Which one is true about the law of demand and supply?

- a) Increase in supply causes decline in price
- b) Increase demand causes decline in price
- c) Increase in supply causes increase in price
- d) Increase in demand causes no price

26. The following are essential methods of land reform **except**

- a) Improving land tenure legislation
- b) Land fragmentation
- c) Consolidation of land holdings
- d) Tenancy reform

27. Which of the following is a source of capital?

- a) Labour
- b) Trade unions
- c) Bank
- d) Credit

28. The book of account that shows the order of record of accounting transaction is referred to as

- a) Cash book
- b) Ledger
- c) Journal
- d) Inventory

29. Which of the following is not a nitrogenous fertilizer?

- a) CAN
- b) ASN
- c) Urea
- d) SSP

30. The term aquaculture means

- a) Fish farming
- b) Bee keeping
- c) White ants keeping
- d) Flies keeping

SECTION B

31. Mention five qualities of a good stock person.

- (i)
- (ii)
- (iii)
- (iv)
- (v)

32. What are the advantages and disadvantages of a forest to a man?

(A) Advantages

- (i)
- (ii)
- (iii)
- (iv)
- (v)
- (vi)

(B) Disadvantages

- (i)
- (ii)
- (iii)
- (iv)

33. (a) State the common problems associated with storage of farm products

- (i)
- (ii)
- (iii)
- (iv)
- (v)

(b) What are the desirable features of a store?

- (i)

- (ii)
- (iii)
- (iv)
- (v)

34. (a) Identify the problems hindering adaptation of mechanization in Africa

- (i)
- (ii)
- (iii)
- (iv)
- (v)

(b) Suggest solutions to the problems mentioned in 32 (a) above.

- (i)
- (ii)
- (iii)
- (iv)
- (v)

35. Describe five types of record that a farmer can keep in a farm.

- (i)
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- (ii)
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- (iii)
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- (iv)
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- (v)
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END