

**P.T.E AGRICULTURE  
2013  
MOCK, 2019  
Time: 2 ½ hours  
PRIMARY TEACHERS MOCK EXAMINATION**

**INSTRUCTIONS TO CANDIDATES**

- a) Write your name, class and index number in the spaces provided above
- b) Sign and write the date of the examination in the spaces provided above
- c) This paper consists of **THREE** sections: A, B and C
- d) Answer **ALL** the questions in section **A** and **B**.
- e) Answer any **THREE** questions in section C
- f) Answers to **ALL the** questions **MUST** be written in spaces provided in this booklet.
- g) Don **NOT** remove any pages from this booklet
- h) **Candidates should answer the questions in English**

**For Examiner's Use Only**

Section	Question	Maximum score	Candidate's score
<b>A</b>	<b>1-5</b>	<b>30</b>	
<b>B</b>	<b>6-28</b>	<b>40</b>	
<b>C</b>	<b>29</b>	<b>10</b>	
	<b>30</b>	<b>10</b>	
	<b>31</b>	<b>10</b>	
		<b>TOTAL SCORE</b>	

**SECTION A (30 marks)**

*Answer **ALL** the questions in this section in the spaces provided*

1. (a) State **four** factors that a teacher should consider when designing learning activities in a scheme of work. (2marks)
- (b) Name **four** sources of information which a new teacher can use when developing a scheme of work for teaching science (4marks)
- 2 A teacher grouped pupils to investigate drainage in different soil samples
  - (a) Name **six** apparatus/materials the pupils require for the investigation. (3marks)
  - (d) Describe the procedure the pupils should follow when carrying out the investigation. (4 marks)

- 3.(a) State **four** ways in which a teacher can maintain pupils' interest during a lesson (4marks)
- (b) State **three** reasons why the introduction stage of a lesson is essential (3marks)
4. (a) State **six** characteristics of a good chart for teaching science (6mks)
- 5 State the meaning of the following terms used in Bloom's taxonomy (4 marks)
- a) synthesis\_\_\_\_\_
- b) application\_\_\_\_\_
- c) evaluation\_\_\_\_\_
- d) analysis\_\_\_\_\_

### SECTION B (40 Marks)

*Answer ALL the questions in this section in the spaces provided+*

- 6 Outline four factors considered when designing a school farm layout (2marks)
- 7 State **four** aims of research in livestock production (2mark)
8. Give **four** ways by which high relative humidity influences crop production (2marks)
- 9 State four factors that determine the depth of cultivation during seedbed preparation (2marks)
- 10 State **six** signs of unhealthy crops (3marks)
- 11 State **four** harmful effects liver flukes in sheep rearing (2marks)
- 12 State **four** advantages of co-operative land tenure (2mark)
13. Outline **Four** ways of utilizing pastures (2 marks)
14. List **Four** qualities of good eggs for marketing (2 marks)
15. State four advantages of contemporary comparison method of selecting breeding stock (2marks)
- 16 State **four** advantages of crop rotation (2marks)
- 17 List **four** causes of cannibalism in poultry production (2marks)
- 18 State **four** practices that come immediately after complete milking in a milking shed (2mrks)
19. Outline **two** reasons for rearing fish (1mark)
- 20 State **four** functions of Kenya Farmers Association (2marks)
- 21 a) State **two** conditions under which opportunity cost is zero 14 (1mark)
- b) State the law of supply (1mark)
- 22 State **two** ways in which agriculture contributes to industrial development in Kenya (1mark)
- 23 State **Two** uses of crop museum (1mark)
- 24 State **four** factors that affect soil formation (2marks)

25. Give **four** deficiency symptoms of phosphorus (2marks)
26. Name **four** ways in which a swampy area can be drained for crop production (2marks)
27. State **four** ways of maintaining farm tools (2marks)
28. Give **two** reasons for raddling in sheep management (1mark)

**SECTION C (30 marks)**

Answer any **THREE** questions from this section in the spaces provided after **question**

- 29 a) Describe the qualities of a good livestock house (5 marks)
- b) Explain five advantages of paddocking (5marks)
30. a) Describe five factors that make camels more adaptable to arid and semi-arid areas of Kenya (5marks)
- (b) Explain five factors that determine the demand of commodity on the market (5marks)
31. (a) Explain five factors that determine the quantity of seed used during planting (5marks)
- b) explain five reasons for pruning in crop production (5marks)
32. Describe the management of a gilt from furrowing to weaning (10marks)