

Name: Adm No

School: Signature

Date:

**AGRICULTURE
PAPER
TIME: 1 ¾ HOURS
May Series**

2017
Form 1_{1 ¾}

INSTRUCTIONS TO STUDENTS:

- Write **your name, admission number and school** in the spaces provided.
- Sign and write the date of the examination in the spaces provided.
- This paper consists of **17 QUESTIONS**.
- Answer **all** questions in this question paper.
- All answers **must** be written in the spaces provided.

For Examiner's Use Only:

QUESTION	MAXIMUM SCORE	STUDENT'S SCORE
1-17	75	

This paper consists of 5 printed pages. You should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

1. State **four** roles played by agriculture in national development.

(4 marks)

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5. Identify **four** factors to consider when choosing a type of farm. (4 marks)

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6. Define arable farming. (1 mark)

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7. State **four** advantages of mixed farming. (4 marks)

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8. Identify **two** types of farming practiced by large scale farmers. (2 marks)

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9. Identify **three** aspects of rainfall which are important in crop production. (3 marks)

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10. (a) What is optimal temperature? (1 mark)

(b) Mention four effects of temperature on crop production. (4 marks)

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11. Give **four** factors that influence the choice of tools for primary cultivation. (4 marks)

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12. State **three** reasons why secondary cultivation is necessary. (3 marks)

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13. Mention **three** factors that determine the number of tillage operations during seedbed preparations. (3 marks)

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14. State two ways in which climate affects soil formation. (2 marks)

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15. List any **four** details that a farmer should include in his health records of the animals. (2 marks)

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16. (a) Define the term “sub soiling”. (1 mark)

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(b) Give **two** importance of sub soiling. (1 mark)

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17. (a) What is soil? (1 mark)

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(b) In which **three** ways is soil important to growing plants? (3 marks)

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(c) Highlight **four** factors which influence the soil forming process. (4 marks)

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(d) Explain **three** biological agents influence the speed of the soil forming process. (3 marks)

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(e) List **four** constituents of a fertile soil. (2 marks)

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(f) How important are the micro-organisms in the soil to the plants? (2 marks)

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(g) Mention **four** farming practices that improve soil structure. (4 marks)