2023 MOCK 2 GENERAL AGRICULTURE 3

1. Perform an experiment to determine the acidity or alkalinity of specimen **A** and **B**
   (a) Outline the procedure you used. [7 marks]
   (b) Stated your observation and conclusions from the experiment. [4 marks]
   (c) Give **two** reasons why it is importance to determine the pH of soils. [4 marks]

2. (a) Identify **each** of the plants from which specimens **C** and **D** were obtained by their scientific names. [4 marks]
   (b) Name **two** disease of each of the plants you have named in (a). [4 marks]
   (c) Mention **one** planting material used in propagating **each** of specimens **C** and **D**. [4 marks]
   (d) State **one** pest **each** of specimens **C** and **D**. [2 marks]
   (e) Give **one** way of extending the shelf life of specimen **C**. [1 mark]

3. (a) (i) Identify specimens **E** and **F**.
   (ii) State **two** precautions to be taken when using specimen **E**.
   (iii) Mention **two** ways of maintaining specimen **E** after use.
   (iv) State **one** uses of specimen **F**. [6 marks]

   (b) (i) Name **one** farm animal **each** from which specimen **G** and **H** could be obtained. [2 marks]
   (ii) State **one** use **each** of specimens **G** and **H** to the farm animals from which they were obtained. [2 marks]

   (c) (i) Identify specimen **I**. [1 mark]
   (ii) What type damage does specimen **I** cause to crops? [1mark]
   (iii) Mention **one** way of controlling specimen **I** on the farm. [1 mark]

   (d) (i) State **one** features of specimen **J** that helps it to adapt to their environment. [1 mark]
   (ii) Give **one** economic importance of specimen **J** [1 mark]

4. (a) Consider the farm business transaction below and use the information to prepare a profit and loss account *for Grace Farm Limited*, for the year ended 31st December 2014.

	GH₵ P
(i) Sales of eggs	8 250.00
(ii) Cost of incubator	2 500.00
(iii)Cost of feed	5 000.00
(iv) Cost of drugs	2 321.00
(v) Eggs for domestic use	1 470.00
(vi)Loss due to mortality	200.00
(vii)Value of stock left	300.00
(viii)Sales of broilers	9 872.00
(ix)Farm wages	3 102.00
(x) Broiler for domestic use	2 610.00
(xi)Wages for workers	2 800.00
(xii)Sales of manure	2 488.00
(xiii)General expenses	856.00
(xiv)Sales of day-old chicks	3 812.00
(xv)Packaging cost	1 857.00
(xvi)Transportation cost	1 324.00
(xvii)Depreciation	500.00
(xviii)Equipment maintenance cost	480.00
(xix)Electricity bills	800.00
(xx) Net profit	7 062.00

(b) Name **two** other records that should be kept by *Grace Farm Limited.*

[15 marks]

END OF PAPER