



JOINT UNIVERSITIES PRELIMINARY EXAMINATIONS BOARD

SEPTEMBER 2020 EXAMINATIONS

JUPEB/002P

AGRICULTURAL SCIENCE PRACTICALS

Time Allowed: 2½ hours

Answer ALL Questions.

Turn Over

Answer ALL Questions

Question 1

(a) Use the following specimens labelled G, H₁, H₂, I, J and K to carry out an experiment on the chemical property of the specimen labelled G and present your report under the following headings:

- | | |
|----------------------|-------------|
| i. aim | [½ mark] |
| ii. procedure/method | [2 ½ marks] |
| iii. observation | [1 mark] |
| iv. conclusion | [1 mark] |
- (b) Explain two reasons for the soil condition observed on specimen G. [1 mark]
- (c) Explain four reasons why the experiment is important in agriculture. [4 marks]

Question 2

- a. Identify specimens M, N and O. [1½ marks]
- b. Classify specimens M, N and O into annual, biennial and perennial [1½ marks]
- c (i) State the methods of dispersal of specimen M and N. [2 marks]
- (ii) Name one storage method of specimen M [1 mark]
- d. Identify specimen P [1 marks]
- e. (i) What is the incubation period of specimen P. [1 mark]
- (ii) List two ways of hatching specimen P. [1 marks]
- f. Mention one factor that may affect hatchability of specimen P. [1 mark]