

CSEC Agricultural Science Double Award

Paper 2 – Structured Questions

Time: 2 hours 30 minutes

Total Marks: 100

Answer all questions in the spaces provided.

- (a) Define the term 'photosynthesis'. (2 marks)

(b) Describe two environmental factors that affect the rate of photosynthesis. (4 marks)

(c) Draw and label a diagram of a chloroplast. (4 marks)

(Total 10 marks)
- (a) List three functions of the root system in plants. (3 marks)

(b) Explain the process of transpiration and its importance to plants. (5 marks)

(c) Suggest two ways to reduce transpiration in crops. (2 marks)

(Total 10 marks)
- (a) What is soil erosion? (2 marks)

(b) Describe two methods farmers can use to control soil erosion. (4 marks)

(c) Explain one effect of soil erosion on agriculture. (4 marks)

(Total 10 marks)
- (a) Name two internal parasites that affect livestock. (2 marks)

(b) Explain two effects of internal parasites on livestock production. (4 marks)

(c) Outline two methods of controlling internal parasites. (4 marks)

(Total 10 marks)
- (a) Define crop rotation. (2 marks)

(b) List three advantages of practicing crop rotation. (3 marks)

(c) Design a four-year crop rotation plan including legumes and root crops. (5 marks)

(Total 10 marks)

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Sir Norman Lockyer



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Table of Contents What Does Agricultural Science Paper2 Gradeinclude

1. Understanding the eBook What Does Agricultural Science Paper2 Gradeinclude
 - The Rise of Digital Reading What Does Agricultural Science Paper2 Gradeinclude
 - Advantages of eBooks Over Traditional Books
2. Identifying What Does Agricultural Science Paper2 Gradeinclude
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an What Does Agricultural Science Paper2 Gradeinclude
 - User-Friendly Interface
4. Exploring eBook Recommendations from What Does Agricultural Science Paper2 Gradeinclude
 - Personalized Recommendations
 - What Does Agricultural Science Paper2 Gradeinclude User Reviews and Ratings
 - What Does Agricultural Science Paper2 Gradeinclude and Bestseller Lists
5. Accessing What Does Agricultural Science Paper2 Gradeinclude Free and Paid eBooks
 - What Does Agricultural Science Paper2 Gradeinclude Public Domain eBooks
 - What Does Agricultural Science Paper2 Gradeinclude eBook Subscription Services
 - What Does Agricultural Science Paper2 Gradeinclude Budget-Friendly Options

6. Navigating What Does Agricultural Science Paper2 Gradeinclude eBook Formats
 - ePub, PDF, MOBI, and More
 - What Does Agricultural Science Paper2 Gradeinclude Compatibility with Devices
 - What Does Agricultural Science Paper2 Gradeinclude Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of What Does Agricultural Science Paper2 Gradeinclude
 - Highlighting and Note-Taking What Does Agricultural Science Paper2 Gradeinclude
 - Interactive Elements What Does Agricultural Science Paper2 Gradeinclude
8. Staying Engaged with What Does Agricultural Science Paper2 Gradeinclude
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers What Does Agricultural Science Paper2 Gradeinclude
9. Balancing eBooks and Physical Books What Does Agricultural Science Paper2 Gradeinclude
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection What Does Agricultural Science Paper2 Gradeinclude
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine What Does Agricultural Science Paper2 Gradeinclude
 - Setting Reading Goals What Does Agricultural Science Paper2 Gradeinclude
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of What Does Agricultural Science Paper2 Gradeinclude
 - Fact-Checking eBook Content of What Does Agricultural Science Paper2 Gradeinclude
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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several regions in japan where the japanese had to experience the severe winter sashiko used to be a job for women to mend
men s garments over the winter both men and women worked as farmers over the summer

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