

MARKER CODE


 Pacific
Community
Communauté
du Pacifique


Student Personal Identification Number

South Pacific Form Seven Certificate

AGRICULTURE

2021

QUESTION and ANSWER BOOKLET

Time allowed: Three hours

(An extra 10 minutes is allowed for reading this paper.)

INSTRUCTIONS

Write your **Student Personal Identification Number (SPIN)** in the space provided on the top right-hand corner of this page.

Answer **ALL QUESTIONS**. Write your answers in the spaces provided in this booklet.

If you need more space for answers, ask the Supervisor for extra paper. Write your SPIN on all extra sheets used and clearly number the questions. Attach the extra sheets to the appropriate places in this booklet.

Major Learning Outcomes (Achievement Standards)	Skill Level & Number of Questions				Weight/ Time
	Level 1 <i>Uni- structural</i>	Level 2 <i>Multi- structural</i>	Level 3 <i>Relational</i>	Level 4 <i>Extended Abstract</i>	
Strand 1: Primary Production Examine local and export primary production and analyse the influence of market controls.	5	2	2	0	15% 39 min
Strand 2: Sustainable Primary Production Analyse primary production practices that ensure sustainable primary production.	6	3	2	1	22% 57 min
Strand 3: Production Management Demonstrate understanding of production management of a locally produced animal primary product and a locally produced plant primary product.	4	4	3	3	33% 85 min
TOTAL	15	9	7	4	70% 180 min

Questions in this examination require you to refer to primary products from your own country.

Check that this booklet contains pages 2–19 in the correct order and that none of these pages are blank.

HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

STRAND 1: PRIMARY PRODUCTION*Assessor's use only*

1.1	<p>A proper marketing technique allows the flow of products from the supplier to the consumer.</p> <p>State the importance of providing the appropriate transport method in the delivery of primary goods and services.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR			
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1.2	<p>Circle the letter that represents the <u>best</u> answer.</p> <p>Which of the following factors do farmers need to consider in securing market opportunities for their primary products?</p> <p>A. climate</p> <p>B. state of technology</p> <p>C. type of consumers</p> <p>D. income of the consumers</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR			
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1.3a	<p>International marketing involves the selling and buying of goods and services between countries.</p> <p>Define bilateral trade agreement.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR			
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1.3b	<p>Select <u>one primary product</u> (either plant or animal) that is locally produced in your country to answer question 1.3b.</p> <p>Primary product: _____</p> <p>Name of your country: _____</p> <p>Specific market: _____</p> <p>International trade strengthens relationships between importing and exporting countries.</p> <p>Describe how a bilateral trade agreement has an impact on the import and export of your selected primary product.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Multistructural		2		1		0		NR	
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1.6	<p>Pests and diseases affect the storage of agricultural products and reduce their shelf-life which has an impact on the selling and buying of agricultural products.</p> <p>Define the term product storage life.</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR					
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1.7	<p>Import and export controls and biosecurity or quarantine regulations are part of the government's policy on international marketing.</p> <p>Describe how these national regulations and controls affect local primary production.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Multistructural		2		1		0		NR			
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1.8	<p>During the production period, primary products change due to certain factors that affect production and the supply to the market. The market price is also affected due to less supply.</p> <p>Explain, with examples, one factor that causes primary products to change during the year in your community.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Relational</th> </tr> </thead> <tbody> <tr> <td>3</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Relational		3		2		1		0		NR	
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STRAND 2: SUSTAINABLE PRIMARY PRODUCTION*Assessor's use only*

2.1	<p>Globally, climate change is the key issue that affects long term primary production.</p> <p>State one impact of climate change on agricultural production.</p> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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2.2	<p>Circle the letter that represents the <u>best</u> answer.</p> <p>The application of fertilisers in the soil at a particular spot is called _____.</p> <p>A. placement B. broadcasting C. top dressing D. side dressing</p>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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2.3	<p>Various soil conservation practices and techniques have been developed to prevent and control soil erosion on sloping land.</p> <p>Identify one soil conservation practice farmers could use to maintain sustainable primary production on their farms.</p> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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2.4a	<p>Genetic selection is a crucial step for animal breeders.</p> <p>Define the term genetic selection.</p> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Unistructural</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Unistructural		1		0		NR	
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2.4b The goal of dairy farmers is to increase milk production to satisfy the market demand of consumers.

Describe the importance of genetic selection in ensuring the improvement of milk production in the long term.

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Use the information below to answer questions 2.5a and 2.5b.

The diagram below illustrates certified seeds.



Source: <https://pacificfarmers.com/e-bulletins-june-2014/>

2.5a State the importance of using certified seeds in primary production.

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2.6b Pests and diseases can be controlled in various ways.
Describe **one** benefit of Integrated Pest Management in maintaining sustainable primary production on a farm.

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2.7 The photograph below shows a seed gene bank. A seed gene bank is one way of conserving genetic resources.



Source: <https://www.dealspwn.com/> image.jpeg.

Describe how genetic resources are conserved for sustainable primary production.

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STRAND 3: PRODUCTION MANAGEMENT

Assessor's use only

3.1

The picture below shows a management practice carried out on a livestock farm.



Source: www.nationalfair.com

The management practice carried out in the above picture is _____.

- A. castration
- B. iron injection
- C. identification
- D. artificial insemination

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3.2

Select **one** Agricultural Enterprise (Plant or Animal) that you have studied to answer question 3.2.

Agricultural Enterprise: _____

Specific Market: _____

Site selection is important before an agricultural enterprise is chosen by a farmer.

State **one** factor to be considered in the selection of a suitable site for the selected agricultural enterprise.

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<p>3.3</p>	<p>A market is a place where a seller and a buyer meet for the exchange of goods and services.</p> <p>List two steps in the schedule of operations for the successful marketing of agricultural products.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <tr> <th colspan="2">Multistructural</th> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Multistructural		2		1		0		NR	
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<p>3.4</p>	<p>Farmers need input to produce output. Without the factors of primary production, there will be no output or product produced.</p> <p>Identify one factor of production that is a challenge to farmers.</p> <hr/> <hr/> <hr/>	<table border="1"> <tr> <th colspan="2">Unistructural</th> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Unistructural		1		0		NR			
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<p>3.5</p>	<p>Select one management practice in the schedule of operations for growing vegetables from the box below to answer question 3.5.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Nutrient management</p> <p style="text-align: center;">Pest and disease control</p> <p style="text-align: center;">Weed control</p> </div> <p>Management Practice: _____</p> <p>Describe the selected management practice as a step in the schedule of operations for growing vegetables.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <tr> <th colspan="2">Multistructural</th> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Multistructural		2		1		0		NR	
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3.6	<p>Maintaining the quality and quantity of primary products during post-harvest processes is crucial.</p> <p>Describe how proper handling of perishable primary products is done during the post-harvest process.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Multistructural		2		1		0		NR	
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3.7a	<p>Proper soil preparation is crucial in the early establishment of plants.</p> <p>Describe the importance of soil preparation during this stage.</p> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Multistructural</th> </tr> </thead> <tbody> <tr> <td>2</td> <td></td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>0</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Multistructural		2		1		0		NR	
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