

MARKER CODE


 Pacific  
Community  
Communauté  
du Pacifique


Student Personal Identification Number

# South Pacific Form Seven Certificate

## AGRICULTURE

### 2016

### QUESTION and ANSWER BOOKLET

Time allowed: Two and a half hours

### INSTRUCTIONS

Write your Student Personal Identification Number (SPIN) on the top right hand corner of this booklet and on the fold-out flap on the last 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 number the questions clearly. Attach the extra sheets at the appropriate places in this booklet.

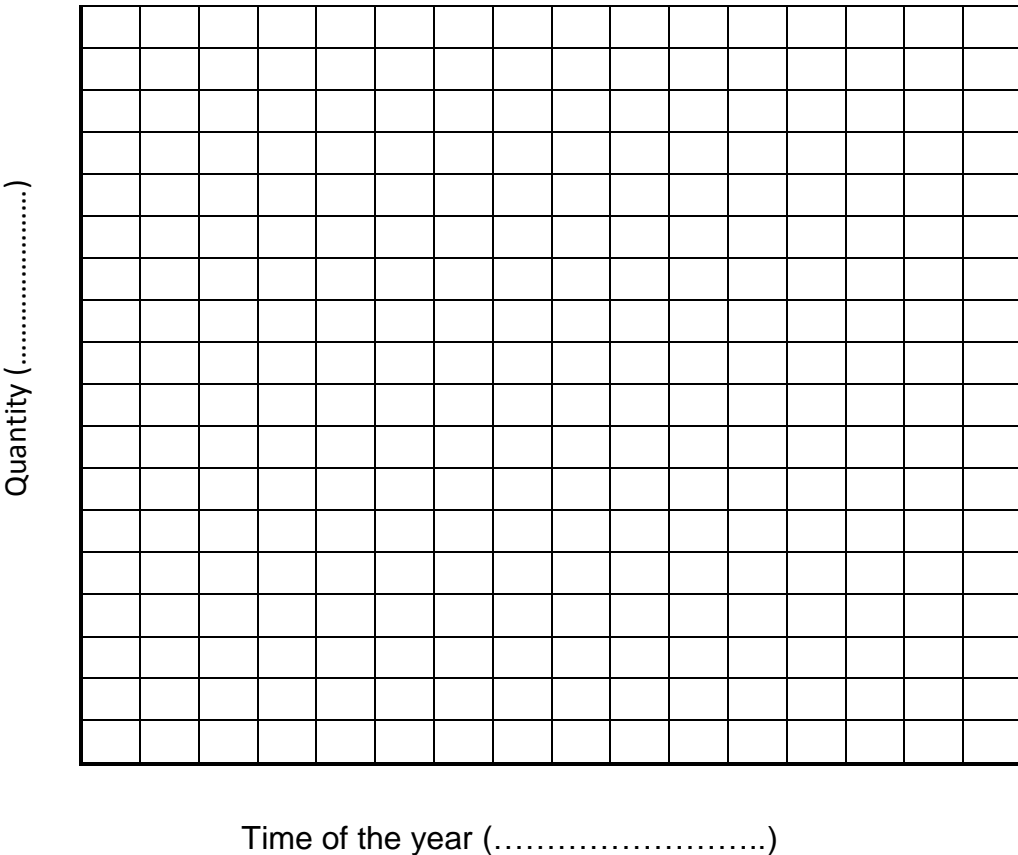
Major Learning Outcomes (Achievement Standard)	Skill Level Band			Weight/ Time
	1 <i>Basic</i>	2 <i>Proficient</i>	3 <i>Advanced</i>	
<b>AgrA:</b> Demonstrate understanding of local and export primary production and analyse the influence of market controls	8 items	2 items	1 item	15% 30 min
<b>AgrB:</b> Demonstrate understanding of primary production practices that ensure sustainable primary production	11 items	3 items	2 items	23% 46 min
<b>AgrC:</b> Demonstrate understanding of the production and marketing of a locally produced animal primary product and of a locally produced plant primary product	18 items	5 items	3 items	37% 74 min
<b>TOTAL</b>	37 items	10 items	6 items	<b>75%</b> <b>150 min</b>

**Questions in this examination require you to refer to primary products from your own country.** Check that this booklet contains pages 2-27 in the correct order and that none of these pages is blank.

**YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.**

**SECTION A: PRIMARY PRODUCTION**

<b>A1</b>	<b>Production</b>	<i>Assessor's use only</i>																																							
<b>A1a</b>	<p>In the table below, list (i) <b>TWO</b> plant primary products and (ii) <b>TWO</b> animal primary products that are locally produced. For each product:</p> <ul style="list-style-type: none"> <li>- name the type of local market opportunity available for each produced product</li> <li>- name the main export country for each export product</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 5%;"></th> <th style="width: 30%;">Name of primary product</th> <th style="width: 20%;">Name of local market</th> <th style="width: 40%;">Name of export market</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">i.</td> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">ii.</td> <td style="text-align: center;">3</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Name of primary product	Name of local market	Name of export market	i.	1				2				ii.	3				4				<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR		Skill Level 1		Basic		Weak		NR	
		Name of primary product	Name of local market	Name of export market																																					
i.	1																																								
	2																																								
ii.	3																																								
	4																																								
Skill Level 1																																									
Basic																																									
Weak																																									
NR																																									
Skill Level 1																																									
Basic																																									
Weak																																									
NR																																									
<b>A1b</b>	<p>From Question <b>A1a</b> above, describe <b>ONE</b> local market opportunity available for any rejected and/or excess of your export plant <b>OR</b> animal product.</p> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/> <hr style="border: 0.5px solid black; margin-bottom: 5px;"/>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR																																
Skill Level 1																																									
Basic																																									
Weak																																									
NR																																									
<b>A1c</b>	<p>Select <b>ONE</b> local primary product produced for an export market and use that product to answer <b>ALL</b> of questions <b>A1ci</b> to <b>A1ciii</b> below.</p> <p>Name of selected primary product: _____</p>																																								

<b>A1ci</b>	<p>On the grid below, draw a graph to represent trends in the quantity exported of your selected product during the year. You must write the unit of each label in the given brackets to suit your selected product.</p> <div style="text-align: center; margin: 10px 0;">  </div>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 2</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Proficient</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Basic</td> <td></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Skill Level 2		Proficient		Basic		Weak		NR	
Skill Level 2												
Proficient												
Basic												
Weak												
NR												
<b>A1cii</b>	<p>Define an important market requirement of your selected export primary product.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												
<b>A1ciii</b>	<p>Describe how your important market requirements in <b>A1cii</b> above is suitable for the export market. Support your answer with an example.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												

<b>A2</b>	<p><b>Factors that Influence Primary Production</b></p> <p>Listed in the box below are factors that influence primary production of farm animals and plants.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <ul style="list-style-type: none"> <li>Needs of people and future prospects</li> <li>Effect of Supply and Demand on Returns</li> <li>Effect of Seasonality on Supply and Demand</li> <li>Effect of competition from imports</li> <li>Market Access</li> <li>Product storage/shelf life</li> <li>Transport methods</li> <li>Market channels</li> </ul> </div> <p>Selected Primary Product: _____</p>	<i>Assessor's use only</i>										
<b>A2a</b>	<p>Select <b>ONE</b> factor and describe how it has influenced the production of your selected primary product.</p> <p>Selected factor: _____</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr style="background-color: #cccccc;"> <th colspan="2">Skill Level 1</th> </tr> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												
<b>A2b</b>	<p>Select a factor from the list in the box A2 above that has had the greater effect on the quantity supplied by producers over the last 1–3 years. Justify your selection using evidence from your graph in <b>A1ci</b> and any additional units and values where appropriate to support your answer.</p> <p>Selected factor: _____</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr style="background-color: #cccccc;"> <th colspan="2">Skill Level 2</th> </tr> <tr> <td style="width: 80%;">Proficient</td> <td style="width: 20%;"></td> </tr> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 2		Proficient		Basic		Weak		NR	
Skill Level 2												
Proficient												
Basic												
Weak												
NR												

<b>A3</b>	<b>Influence of Market Controls</b>									
<b>A3a</b>	<p><b>Market Controls</b></p> <p>Select <b>ONE</b> primary product in your country.</p> <p>Your Island Country _____</p> <p>Primary Product _____</p> <p>Listed in the box below are market controls that affect primary production.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <ul style="list-style-type: none"> <li>Bio-security regulations</li> <li>Trade Agreements</li> <li>Local policies</li> <li>Import controls</li> <li>Grower organizations</li> <li>Marketing organizations</li> </ul> </div>									
<i>Assessor's use only</i>										
<b>A3ai</b>	<p>Select <b>TWO</b> market controls to answer questions <b>A3ai – A3aiii</b>.</p> <p>Describe how each market control affects the production of your selected primary product.</p> <p>Market control 1: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="margin: auto;"> <tr style="background-color: #cccccc;"><th colspan="2">Skill Level 1</th></tr> <tr><td>Basic</td><td style="width: 30px;"></td></tr> <tr><td>Weak</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
<b>A3aii</b>	<p>Market control 2: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="margin: auto;"> <tr style="background-color: #cccccc;"><th colspan="2">Skill Level 1</th></tr> <tr><td>Basic</td><td style="width: 30px;"></td></tr> <tr><td>Weak</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										



## SECTION B: SUSTAINABLE PRIMARY PRODUCTION

B4	<p><b>Primary Production Practices</b></p> <p>Select a plant that is grown in your country for local sales or for export.</p> <p>Your island Country _____</p> <p>Name of plant _____</p> <p>Listed in the box below are management practices that farmers can use to maintaining sustainable production of their plant.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;"><b>Management practices</b></p> <ul style="list-style-type: none"> <li>• Soil management practice</li> <li>• Water management practice</li> <li>• Waste management practice</li> <li>• Labour availability</li> </ul> </div>									
B4a	<p>Soil management practices include <i>cultivation, fertility, productivity</i> and <i>conservation</i>. Select <b>TWO</b> soil management practices from the list to answer Questions <b>B4ai - B4aiii</b>. Define both and then explain how <b>ONE</b> soil management practice contributes to maintaining sustainable production. Give relevant example to support your answer.</p> <p style="text-align: right;"><i>Assessor's use only</i></p>									
B4ai	<p>Soil management practice 1: _____</p> <p>Definition _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
B4aii	<p>Soil management practice 2: _____</p> <p>Definition: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										





B4c Waste Management practices are important in animal production. Name a selected animal you have studied this year and use it in your answer **B4ci - B4cii**.  
Name of selected farm animal: \_\_\_\_\_

*Assessor's use only*

B4ci Define waste management. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Skill Level 1	
Basic	
Weak	
NR	

Some farmers use either *family labours* or *hired or contracted labours* when managing wastes in farming animals.

B4cii Of these two labour availability practices, recommend the one that will have a better influence on the animal that you have selected.  
  
Recommended labour availability practice: \_\_\_\_\_  
  
Discuss why your recommended practice is better, you may include advantages and disadvantages. Use units and values where appropriate.  
  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Skill Level 3	
Advanced	
Proficient	
Basic	
Weak	
NR	

<b>B5</b>	<b>Husbandry and Agronomy Practices</b>	<i>Assessor's use only</i>										
B5a	<p>For a farm animal that you have studied this year, describe how the control of a named disease can improve the production in the long term. Give an example of a control method that was or can be used. In your answer, you must include name of the pest, how it controlled, recommended chemicals used.</p> <p>Name of farm animal: _____</p> <p>Name of disease: _____</p> <p>Description: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td style="width: 80%; padding: 2px;">Basic</td> <td style="width: 20%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												
B5b	<p>Explain how intercropping can improve production on the long term for a plant that you studied this year. You must give an example including the name of the major plant and <b>THREE</b> minor plants to be used and their importance to intercropping in your country.</p> <p>Name of major plant: _____</p> <p>Name of the THREE minor plants: _____</p> <p>Explanation: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 2</th> </tr> </thead> <tbody> <tr> <td style="width: 80%; padding: 2px;">Proficient</td> <td style="width: 20%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Basic</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>	Skill Level 2		Proficient		Basic		Weak		NR	
Skill Level 2												
Proficient												
Basic												
Weak												
NR												

B5c	<p>Describe a feed application strategy you can use to sustain production for an animal that you have studied this year. Your answer must include the name of selected feed, recommended rate of application and when it is applied.</p> <p>Name of animal: _____</p> <p>Description: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="padding: 2px;">Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
B5d	<p>Define certified seed and describe how it can improve production on the long term for a plant that you have studied this year. Your answer must include the meaning of genetic selection and how it is carried out in your country.</p> <p>Name of plant: _____</p>									
B5di	<p>Definition of certified seed: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="padding: 2px;">Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
B5dii	<p>Description: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="padding: 2px;">Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										

B6

**Global Agricultural Issues**

Global agricultural issues have affected local primary production including the Pacific island countries. These global agricultural issues are listed in the box below.

- |  |
|--|
| <ul style="list-style-type: none"> <li>• Invasive species</li> <li>• Genetic resource conservation</li> <li>• Genetic engineering</li> <li>• Organic husbandry</li> <li>• Pollution</li> </ul> |
|--|

You are required to select **ONE** Global agricultural issue from the list. Select a particular primary product (plant or animal) that you have studied then answer the questions that follow.

Name of selected primary product: \_\_\_\_\_

*Assessor's use only*

B6a

Global agricultural issue: \_\_\_\_\_

B6ai

Explain **ONE** effect that this global agricultural issue have on your country's agricultural sector. Use examples where appropriate.

---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---

Skill Level 2	
Proficient	
Basic	
Weak	
NR	

B6aii	Describe <b>ONE</b> way that farmers are addressing this issue at the individual farm level.  <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="width: 80%; padding: 2px;">Basic</td> <td style="width: 20%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td style="padding: 2px;"></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
B6b	Describe <b>TWO</b> ways that your ministry/department of agriculture used or planning to use in addressing this selected global agricultural issue.									
B6bi	Description: _____ <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="width: 80%; padding: 2px;">Basic</td> <td style="width: 20%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td style="padding: 2px;"></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
B6bii	Description: _____ <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr style="background-color: #cccccc;"> <th colspan="2" style="text-align: center; padding: 2px;">Skill Level 1</th> </tr> <tr> <td style="width: 80%; padding: 2px;">Basic</td> <td style="width: 20%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Weak</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">NR</td> <td style="padding: 2px;"></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										



**SECTION C: PRODUCTION MANAGEMENT**

**PART A: FARM ANIMAL PRODUCTION MANAGEMENT**

	<p>Select a locally produced farm animal product and its specific market that you have studied to answer the given questions.</p> <p>Locally produced farm animal: _____</p> <p>Specific market for the produced farm animal: _____</p>									
C7	<p><b>Schedule of Operations</b></p> <p>Farmers follow a sequence of management practices in order to produce a farm animal product that meets the requirements of specific market opportunities.</p> <p>Listed in the box below are eleven management practices carried out in a calendar of operations in the production of your chosen animal.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <ul style="list-style-type: none"> <li>- supplementary feeding</li> <li>- post-harvesting grading</li> <li>- disease control</li> <li>- breed selection</li> <li>- slaughtering</li> <li>- pest control</li> <li>- mating</li> <li>- culling</li> <li>- post harvesting packing</li> <li>- marketing</li> <li>- rearing young</li> </ul> </div>									
C7a	<p>Describe <b>TWO</b> significant but distinctly different <b>SITES</b> where your selected animal could be raised. You can include the actual site where your selected animal had been raised and another site you think you could have used.</p> <p style="text-align: right;"><i>Assessor's use only</i></p>									
C7ai	<p>Description of <b>SITE 1</b>: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> <tr> <td style="width: 50%;">Basic</td> <td style="width: 50%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
C7aii	<p>Description of <b>SITE 2</b>: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> <tr> <td style="width: 50%;">Basic</td> <td style="width: 50%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										

C7aiii

Of the TWO sites you have described in **C7ai** - **C7aii** above, recommend the site that is better for raising your farm animal.

Recommended site: \_\_\_\_\_

Discuss why one site is better for raising your locally produced animals than the other site. Give reasons and examples to support your answer.

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

<b>Skill Level 3</b>	
Advanced	
Proficient	
Basic	
Weak	
NR	



	Describe the characteristics of <b>TWO</b> significant but distinctly different <b>BREEDS</b> of your selected animal. You can include the actual breed you have studied and another breed that you think you could have raised.	<i>Assessor's use only</i>								
C7aiv	Description of <b>BREED 1</b> : _____ _____ _____ _____	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
C7av	Description of <b>BREED 2</b> : _____ _____ _____ _____	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
C7avi	Describe how your selected animal was reared or could have reared. In your description. _____ _____ _____ _____ _____ _____ _____ _____	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
C7b	<p>Listed in the box below are management practices that can affect the production and marketing of your selected animal. Consider the relative importance of these management practices when answering the questions that follow.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <ul style="list-style-type: none"> <li>• Water</li> <li>• Pests control</li> <li>• Diseases control</li> <li>• Nutrition</li> <li>• Temperature</li> </ul> </div>									

<p>C7bi</p>	<p>Rank these management practices in the order of importance of their effect on the production and marketing of your selected animal. Number (1) is the most important and number (5) is the least important.</p> <p>(1) _____</p> <p>(2) _____</p> <p>(3) _____</p> <p>(4) _____</p> <p>(5) _____</p>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												
<p>C7bii</p>	<p>Explain why your number (1) ranked management practice has a greater effect on production and marketing compared with <b>ONE</b> other ranked management practice. Use an example, units, and values where appropriate.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 2</th> </tr> </thead> <tbody> <tr> <td>Proficient</td> <td></td> </tr> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 2		Proficient		Basic		Weak		NR	
Skill Level 2												
Proficient												
Basic												
Weak												
NR												
<p>C7c</p>	<p>Slaughtering and post – slaughtering are important steps of the schedule of operations that affect the production and marketing of farm animal.</p>											
<p>C7ci</p>	<p>Describe the method of slaughtering of your selected farm animal. You must specify the time and how slaughtering is done. Use an example, units, and values where appropriate.</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												



C7diii

Select and discuss **ONE** step in the schedule of operations of your selected farm animal that has the most impact on **profitability**. In your discussion you may consider the advantages of the selected steps over **ONE** of the other steps in the schedule of operations, the effect the step has on the attributes of the product and impact this step has on the marketability of the product. Use examples, units, and values where appropriate.

Selected step of schedule of operations: \_\_\_\_\_

Discussion: \_\_\_\_\_

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

Skill Level 3	
Advanced	
Proficient	
Basic	
Weak	
NR	

**PART B: PLANT PRODUCTION MANAGEMENT**

	<p>Answer <b>ALL</b> questions. Select a locally produced plant product and its specific market that you have studied to answer the questions given.</p> <p>Nationally significant produced plant: _____</p> <p>Specific market for the produced plant: _____</p>										
<p>C8</p>	<p><b>Schedule of Operations</b></p> <p>Farmers follow a sequence of management practices in order to produce a plant product that meets the requirements of specific market opportunities.</p>										
<p>C8a</p>	<p>Describe <b>TWO</b> significant but distinctly different <b>SITES</b> where your selected plant could be grown. You can include the actual site where your selected plant had been grown and another site whom you think you could have used.</p> <p style="text-align: right;"><i>Assessor's use only</i></p>										
<p>C8ai</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 80%; vertical-align: top;">                 Description of <b>SITE 1</b>: _____                  _____                  _____                  _____                  _____                  _____                  _____             </td> <td style="width: 20%; text-align: center;"> <table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table> </td> </tr> </table>	Description of <b>SITE 1</b> : _____ _____ _____ _____ _____ _____ _____	<table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Description of <b>SITE 1</b> : _____ _____ _____ _____ _____ _____ _____	<table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1											
Basic											
Weak											
NR											
<p>C8aii</p>	<table border="1" style="width: 100%;"> <tr> <td style="width: 80%; vertical-align: top;">                 Description of <b>SITE 2</b>: _____                  _____                  _____                  _____                  _____                  _____             </td> <td style="width: 20%; text-align: center;"> <table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table> </td> </tr> </table>	Description of <b>SITE 2</b> : _____ _____ _____ _____ _____ _____	<table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Description of <b>SITE 2</b> : _____ _____ _____ _____ _____ _____	<table border="1"> <tr> <th colspan="2">Skill Level 1</th> </tr> <tr> <td>Basic</td> <td style="width: 20px;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1											
Basic											
Weak											
NR											
	<p>Of the <b>TWO</b> sites you have described in parts (C8ai – C8aii) above, recommend the site that is better for growing your selected plant.</p> <p>Recommended site: _____</p>										

C8aiii	<p>Explain why the recommended site is better than the other site. Give <b>ONE</b> reason and <b>ONE</b> example to support your answer.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 2</th> </tr> </thead> <tbody> <tr> <td>Proficient</td> <td></td> </tr> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 2		Proficient		Basic		Weak		NR	
Skill Level 2												
Proficient												
Basic												
Weak												
NR												
<p>Describe the characteristics of <b>TWO</b> significant but distinctly different varieties of your selected plant. You can include the actual plant you have studied and another variety that you think you could have grown.</p>												
C8aiv	<p><b>Variety 1:</b> _____</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												
C8av	<p><b>Variety 2:</b> _____</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1"> <thead> <tr> <th colspan="2">Skill Level 1</th> </tr> </thead> <tbody> <tr> <td>Basic</td> <td></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </tbody> </table>	Skill Level 1		Basic		Weak		NR			
Skill Level 1												
Basic												
Weak												
NR												

C8b	<p>Describe how your selected plant was prepared or could have been prepared for planting. Use examples, units, and values where Appropriate.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										
C8c	<p>The management practices listed below can affect the production and marketing of your selected plant. Consider the relative importance of these management practices when answering this question.</p> <ul style="list-style-type: none"> <li>• Water</li> <li>• Pests control</li> <li>• Diseases control</li> <li>• Nutrition</li> <li>• Temperature</li> </ul>									
C8ci	<p>Rank these management practices in the order of importance of their effect on the production and marketing of your selected plant. Number (1) is the most important and number (5) is the least important.</p> <p>(1) _____</p> <p>(2) _____</p> <p>(3) _____</p> <p>(4) _____</p> <p>(5) _____</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Skill Level 1</th> </tr> <tr> <td style="width: 80%;">Basic</td> <td style="width: 20%;"></td> </tr> <tr> <td>Weak</td> <td></td> </tr> <tr> <td>NR</td> <td></td> </tr> </table>	Skill Level 1		Basic		Weak		NR	
Skill Level 1										
Basic										
Weak										
NR										









