

SANGAM SKM COLLEGE-NADI**WEEK 2****AGRICULTURAL SCIENCE -YEAR 11 WORKSHEET**

1. Describe one way in which a farmer would address the challenge of soil nutrient deficiency.
2. Define the following terms;
 - a. Soil degradation
 - b. Field trial
 - c. Value adding
 - d. Zoonosis
 - e. Biodiversity
 - f. Shelf life
3. State one reason of randomizing the treatments in while conducting field trial.
4. **‘To determine the solution most suitable for implementation on a farm, farmers are encouraged to conduct field trials’.** State and discuss five importance of conducting field trials.
5. Differentiate between variable and treatment in relation to field trial.
6. **All trial plots must have guard rows.** Discuss one importance of planting guard rows when conducting field trials.
7. When is the guard row planted?
8. Explain Randomized Complete Block Design [RCBD].
9. Explain one reason why farmers are encouraged to process **raw agricultural products** produced on the farm.
10. State one way in which the **shelf life** of raw commodities produced on farms is **reduced**.
11. Differentiate between **flora** and **fauna**. Provide examples for each. State one reason why plant products, like **peanuts**, are **blanched** before canning.
12. Differentiate between endemic and exotic species.
13. Discuss three importance of safeguarding the biodiversity of Fiji.
14. State the aim of biosecurity authority of Fiji.
15. List and discuss any three services provided by the biosecurity authority of Fiji.

SANGAM SKM COLLEGE-NADI**WEEK 3****AGRICULTURAL SCIENCE -YEAR 11 WORKSHEET**

1. Explain one reason why the Biosecurity Authority of Fiji would **prohibit** the movement of cassava from Viti levu to kadavu.
2. A dairy farmer has to fence his farm so that he can hold the various groups of animal separately. Discuss the type of fence he must choose for the above:
3. Why do farmers sometimes not interested to use wooden fence for their farms.
4. Explain why farmers are advised to paint the wooden fence.
5. Explain why fence that follows creeks beds, hill and tree lines are ideal for construction of farm fence.
6. Hedges are sometimes not a good type of fence to choose. Explain why this is so?
7. Differentiate between financial risk and institutional risk in relation to risk management
8. The table given below shows the various steps involved in effective farm planning. The steps are not in order. Rearrange the steps of farm planning in the correct order.

1.	Put the plan into action.
2.	List alternative activities.
3.	Decide upon the objectives.
4.	Prepare budget for alternative activities.
5.	List available resources.
6.	Choose a planned alternative.

9. Decision making is a process of selecting the best from among different enterprises.
10. Explain why farmers need to make informed decisions.