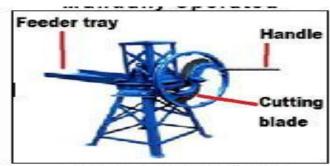
Ba Sangam College Year 12 Agriculture Worksheet 1

Answer the following question. **Note**: Answer with blue or black ink, no use of pencil.

- 1. Whole farm budget is not used for
 - A. calculating tax
 - B. assessing the farms financial situation
 - C. requesting financial assistance from lending agencies.
 - D. identify reliable input and output prices.
- 2. Partial budget is prepared when
 - A. starting the business
 - B. During the progress of the business when there is a slight change made.
 - C. at evaluation stage
 - D. at the planning stage
- 3. Which **one** from the list is not a farm analysis tool
 - A. gross margin
 - B. profit and loss account
 - C. balance sheet
 - D. inventories
- 4. Which statement is true about **IPM**?
 - A. The use of all techniques at the same time to reduce pest population.
 - B. The manipulation of pest population to prevent them from causing injury.
 - C. The intelligent selection and use of pest control methods to control pest population.
 - D. The manipulation of plants genetically to increase their resistance to pest attack.
- 5. A **small machine** which is used for detecting problems with egg shells.
 - A. mist blower
 - B. egg grader
 - C. debeaking machine
 - D. candling machine
- 6. One of the ways **zoonosis** is transmitted to humans is
 - A. a tick or mosquito bite
 - B. sharing of tattoo needles
 - C. not practicing proper hygienic practices.
 - D. not covering the mouth while coughing
- 7. Quarantine being a regulatory method of pest control can be best described as the
 - A. Removal of unwanted agricultural products.
 - B. Certification of all diseased agricultural products.

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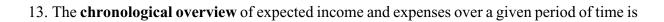
- C. Reporting and certification of all unwanted agricultural products.
- D. Prevention of the introduction of unwanted agricultural products.
- 8. Which **one** from the list is not an agricultural biotechnology applications
 - A. Animal breeding
 - B. Resistant crops
 - C. Biofuels
 - D. Compost
- 9. The **poisoning** of a plant by applying too much of a particular nutrient is termed as
 - A. Deficiency
 - B. Chlorosis
 - C. Mobility
 - D. Toxicity
- 10. Which type of **pollution** includes temperature, water vapour movement and carbon dioxide
 - A. Noise pollution
 - B. Other pollutants
 - C. Air pollution
 - D. Soil and water pollution
- 11. What is the **purpose** of the diagram given below?



http://www.tradekey.com

- A. Is to remove rice grains from the rice straws
- B. To cut grass for animal feed
- C. To extract honey from conventional frames
- D. To extract sugar from sugar cane
- 12. The collection for use, conservation and breeding such as seeds for **genetic use** is referred as an
 - A. tissue culture
 - B. green house
 - C. nursery
 - D. artificial insemination

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- A. Partial budget
- B. Enterprise budget
- C. Cash flow budget
- D. Whole farm budget

- 14. A tool used to show relative returns for enterprises when land is the limiting factor.
 - A. Gross margin
 - B. Total revenue
 - C. Income
 - D. Return to labour

Short Answer Question:

- (a) Differentiate between return to labour and return to capital
- (b) State the purpose of preparing a budget for a farm enterprise
- (c) Give **one** reasons why **cash flow budget** is a useful tool in agriculture.
- (d) State **two** factors when deciding to choose an enterprise to engage in.
- (e) Define the term **dead stock** in relation to agricultural production
- (f) The table below shows the income and input costs of two enterprises on a farm. Use this table to **answer** the questions which follow.

		Dalo	Yams
Income		4660	6000
Variable cost/ha			
	Cultivation	100	70
	Planting material	680	250
	Fertilizer and pesticides	180	180
	Trellising	-	271
	Transport and marketing	150	150
Fixed cost		1055	

Calculate the following and show all working:

- (i) **Gross margin** for this farm.
- (ii) Calculate the **return to capital** for the crop yams.
- (g) Identify current issues which impact the agricultural community.
- (h) Examine the advantages and disadvantages that each issue has in relation to the agricultural community.
- (i) Evaluate and communicate the response of the agricultural community to each issue.

- (j) List and discuss three types of **POLLUTIONS**?
- (k) What are the some factors that are affecting the Agricultural Sectors in Fiji?
- (l) List down **four** effects of Pollution?
- (m) Discuss two effects of the pollutants on crop and livestock in Fiji
- (n) List two causes of Climate change on the Agricultural Crops in Fiji.
- (o) List down the advantages of:
 - a. Soil Salination
 - b. Changing rainfall patterns.
 - c. Rising sea levels:

Essay

Question 1

Soil organisms are an essential part of soil which is used for agricultural purposes.

With reference to the above statement, discuss three:

- importance of soil organisms
- requirements of soil organisms
- husbandry practices which assist in the growth of soil organisms

Question 2

Farm management is a dynamic process which needs current information to be effective.

With reference to the statement above, discuss three

- phases of farm management
- importance of managing the finances of a farm
- ways in which budgets assist farmers