

BA SANGAM COLLEGE

YEAR 12

AGRICULTURAL SCIENCE

WORKSHEET 4

General Agriculture

1. The biotechnology method that is used for plant and animal breeding are:
 - A. Bt protein
 - B. Genetic modification
 - C. Cross pollination and cross breeding
 - D. Tissue culture and Artificial insemination
2. Describe one way the farming communities react to pollution.
3. Explain one dimension of food security.
4. Discuss one precaution a person can take to protect themselves from zoonotic diseases.

Physical Capital

1. Cleaning, inspecting, testing, detecting faults, adjusting, servicing, repairing and replacing parts, lubricating and painting are examples of
 - A. Risky work
 - B. Precautions
 - C. Safety guidelines
 - D. Maintenance work
2. The process by which water becomes dirty as a result of fine mineral particles and silt suspended in water is known as
 - A. Salinity
 - B. Siltation
 - C. Pollution
 - D. Eutrophication
3. Differentiate between the uses for a brush hog and a brush grubber which are small machines used for clearing
4. Describe one factor to consider when using farm machines.
5. Explain one importance of proper storage and maintenance of farm machines

Financial Capital

1. The systematic process of envisioning a desired future, and translating this vision into defined goals or objectives is known as
 - A. Planning
 - B. Evaluating
 - C. Monitoring
 - D. Implementation
2. An estimation of income and expenditure over a period of time is
 - A. Planning
 - B. Budgeting
 - C. Profit & loss
 - D. Total returns
3. When cash receipts and expenses will be encountered for the whole farm, over a period in the future is
 - A. Partial budget
 - B. Cash flow budget
 - C. Enterprise budget
 - D. Whole farm budget
4. When calculating profit/loss, the return is equal to ZERO. What can be interpreted from the above statement?
 - A. Profit
 - B. Loss
 - C. Break even
 - D. Super Profit
5. State one purpose of preparing budget for a farming enterprise.
6. Discuss one advantage of preparing a whole farm budget.
7. Describe one limitation of gross margin for an enterprise.
8. State one advantage of preparing Returns to capital of a farm.

Paragraph Questions:

QUESTION 1

“Observations show that earth’s climate has been warming at an accelerated rate. Its average temperature has risen a little more than 0.89°C during the past 100 years or so.”

In relation to agriculture, select three changes induced by climate change and discuss it under the following sub headings:

- Advantages
- Disadvantages
- Adaptation