

**BA SANGAM COLLEGE  
YEAR 12  
AGRICULTURAL SCIENCE  
WORKSHEET 2**

1. Pollution is the contamination of
  - A. Water
  - B. air
  - C. agricultural products
  - D. air and water
2. Contaminants added to air by agriculture include
  - A. Pesticides, smoke, dust and trash
  - B. Evapotranspiration of irrigation water
  - C. Sounds made by farm animals
  - D. Harvesting and transportation machines
3. Earth's climate is always changing so climate change is
  - A. Artificial
  - B. Natural
  - C. Chemical
  - D. Biological
4. A genetically modified organism is a plant whose genetic material has been changed using genetic engineering techniques. One advantage of using GMO is
  - A. Kills other beneficial organisms
  - B. Add foreign genes into traditional plants
  - C. Higher yields from the same land area
  - D. Tax places on GMO crops causes price to increase
5. The two breeding techniques used in Fiji as biotechnology are
  - A. Tissue culture and grafting
  - B. Artificial insemination and budding
  - C. Grafting and budding
  - D. Tissue culture and Artificial insemination
6. The five factors to consider when dealing with food security are
  - A. Availability, access, utilization and transportation
  - B. Availability, access, utilization and stability
  - C. Stability, transportation, acclimatization and utilization
  - D. Utilization, Availability, acclimatization and Stability
7. The zoonotic diseases are susceptible to
  - A. Children under 5
  - B. Adults over age of 65
  - C. Age between 25 – 45

D. Children under 5 and Adults over age of 65

8. Which machine is used for turning and breaking up the compacted soil?
- A. Rotovator
  - B. power cultivator
  - C. brush cutter
  - D. brush grubber
9. Chaff Cutter is a mechanical device with sharp blades. The function of chaff cutter is to
- A. Remove milk from lactating dairy animals
  - B. Cutting grass for animal feed
  - C. Application of agrochemicals
  - D. Sorting eggs into grades based on weights
10. The function of mist blower is to
- A. Apply agrochemicals especially on low growing plants
  - B. Extract honey from conventional frames of honey comb
  - C. Detect problems with egg shells and the content of eggs
  - D. Apply agrochemicals especially insecticides in trees and shrubs

## **ESSAY WRITTING**

### **QUESTION 1**

**Agricultural biotechnology is the term used in crop and livestock improvement through biotechnology tools.**

Discuss the applications of agro-biotechnology with reference to

- Vaccines
- Antibiotics
- Plant and animal breeding

