

1. What is aquaculture ?

Answer: Aquaculture is the controlled cultivation or farming of aquatic organisms such as fish, crustaceans, mollusks, algae, and other valuable organisms in aquatic environments.

2. List at least three benefits of organic farming :

ANSWER :

- Maintain long-term soil fertility by optimizing conditions for biological activity within the soil.
- Protect the environment, minimize soil degradation and erosion, decrease pollution, optimize biological productivity, and support a sound state of health.
- Maintain biological diversity within the system.
- Recycle materials and resources to the greatest extent possible.
- Rely on local renewable resources to the greatest extent possible.
- Provide care that promotes health and meets the behavioral needs of livestock.
- Prepare organic products and use careful processing and handling methods in order to maintain the organic integrity and vital qualities of the products at all stages of production.

3. What is Genetic Modification (GM)?

Genetic modification (GM) is a newer form of biotechnology that can be applied to plants and animals. Using GE technology, scientists can alter the genetic makeup of a plant or animal by introducing one or more genes to give it different properties.

4. Advantages and disadvantages of GMOS (at least 2)

Advantages	Disadvantages
<ul style="list-style-type: none">● increase crop yield● Disease Resistance● Practicality	<ul style="list-style-type: none">● GM seeds will contaminate non-GMO seeds● Long-term effects are unknown● Health and Safety Concerns

5. What are the advantages of GPS in agriculture?

Precision planting

GPS tracking technology can be used to map out fields, allowing farmers to plant crops in a precise and efficient manner. This can result in a more efficient use of resources, such as fertilizer and water, and can help to improve crop yields.