**HAWA M. JALLOW. AGRICULTURE Assignment 1 GC2410009**

1. List and explains 10 (ten) farming system in the Gambia

Here are ten farming systems practiced in the Gambia:

1) Subsistence Farming

2) Commercial farming

3) Mixed farming

4) Organic farming

5) Agro forestry

6) Irrigation farming

7) Fish farming (Aquaculture)

8) Cooperative Farming

9) Sustainable Agriculture

10) Horticultural Farming

**1. Organic Farming­**- Although still emerging, organic farming practices involves growing crops without synthetic pesticides or fertilizers. Farmer utilize natural composting and organic pest management, aiming for sustainable agriculture that preserves soil health and biodiversity.

**2**. **Agroforestry**- this system integrates trees and shrubs into agricultural land it provides multiple benefits, including improved soil fertility, windbreaks, and shade for crop and livestock. It can help combat deforestation while enhancing productivity and biodiversity.

**3**. **Mixed** **farming** - This system combines crop production with livestock raising. Farmer s crop s like millet and sorghum while also keeping animals such as cattle, goat, and poultry. This Diversity helps to provide food and income while maintaining soil fertility through animal manure.

4. **Commercial** **farming**- In contrast to subsistence farming, commercial farming is focused producing crops for sale in local and international markets. This may include cash crop like groundnuts cotton, and fruits where former aim to maximize profits.

**5**. **Subsistence** **farming**- This is the most common system in the Gambia, where farmers cultivate crops primarily for their family’s consumption. It often involves a mix of crops such as millet, rice and groundnut with little surplus for sale.

**6**. **Irrigation** **farming**- In areas where rainfall is insufficient, formers use irrigation systems to crop year round. This can involve traditional method like small scale irrigation along rivers or modern technique like drip Irrigation to improve water efficiency.

**7. Fish farming (AQUCULTURE**)- As a complement to traditional fishing, fish farming is becoming popular in the Gambia farmers cultivate fish like Tilapa in controlled environment providing a source of protein and income for families.

**8**. **Cooperation** **Farming**- Farmer form cooperatives to pool resource. Share knowledge and access marks knowledge and access markets collectively. This system enhance bargaining power, reduces costs for inputs and improves access to credit and tools.

**9**. **Sustainable Agriculture**- This Farming system emphasizes practise that protect the environment, conserve resources and enhance food security. Technique include crop rotation, intercropping and reliance on chemical fertilizer and pesticides

**10**. **Horticultural** **Farming**- Focused on growing on growing vegetables and fruits horticultural farming is essential for local diets and economies. Farmers grow a variety of produce including tomatoes onions, pepper catering to local and regional markets.