



Syllabus

FOR POST OF ASSISTANT MANAGER (AGRI-PRODUCTS)

1. Introduction to Horticulture (10%)

- Definition and importance of horticulture
- Major branches of horticulture (Fruits, Vegetables, Flowers, Landscaping)
- Main horticultural crops grown in Pakistan

2. Basics of Crop Production (15%)

- Soil and climate requirements for horticultural crops
- Propagation methods (Seed, Grafting, Budding, Layering)
- Irrigation and fertilizer management
- Pruning and training in fruit trees

3. Post-Harvest Handling (15%)

- Harvesting techniques and maturity indices
- Methods of storage (Cold storage, Modified atmosphere)
- Common preservation techniques (Drying, Freezing, Pickling)
- Role of packaging in extending shelf life

4. Common Pests & Diseases (10%)

- Major pests and diseases of fruits and vegetables
- Basic Integrated Pest Management (IPM) strategies
- Safe use of pesticides

5. Processing & Value Addition (10%)

- Basic processing techniques for fruits and vegetables
- Simple value-added products (Jams, Juices, Pickles)
- Importance of food safety and hygiene in processing



6. Marketing of Horticultural Products (10%)

- Local and international marketing of horticultural products
- Supply chain basics
- Price determination factors

7. Climate and Environmental Impact (10%)

- Effects of climate on horticultural crop production
- Sustainable farming techniques (Organic farming, Protected cultivation)

8. General Agriculture Knowledge (20%)

- Major crops of Pakistan
- Role of agriculture in Pakistan's economy
- Government agricultural policies and institutions
