

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Tech. (Food Tech.) 2024 Admission**  
**I Semester Final Theory Examination- March 2025**  
**Farming Based Livelihood System (2+1)**

**BES 1115**

**Marks: 50**  
**Time: 2 hours**

**I. Fill in the blanks**

**(10x1=10)**

1. .... refers to the cropping pattern used on a farm and their interaction with other farm resources, other enterprises and available technology which determine their makeup.
2. ....is the combination of various agricultural enterprises such as crops, livestock, fisheries, and agroforestry to maximize resource utilization and income.
3. One of the major benefits of integrated farming is the efficient recycling of farm.....
4. ....is the capabilities, assets and activities required for a means of living.
5. Government schemes like ..... support farmers in adopting farming system livelihood models.

**State True or False**

6. Integrated farming system helps in resource optimization and waste recycling.
7. Monocropping is a sustainable farming practice that enhances soil fertility.
8. Agroforestry is the farming system that combines agriculture with tree cultivation.
9. Livestock rearing does not contribute to nutrient recycling in the farming system.
10. Farming systems play a crucial role in the circular economy by reducing waste and promoting resource efficiency.

**II. Write short notes on any FIVE of the following**

**(5x2=10)**

1. Discuss the significance of agriculture in India.
2. Explain the status of agriculture in different states of India with example.
3. Define livelihood and explain its frameworks.
4. Explain the different assets of livelihood.
5. Differentiate farming system and farming-based livelihood system.
6. What is a farming-based livelihood system, and why is it important for rural development?
7. What are the prevalent farming system in India?

**III. Answer any FIVE of the following**

**(5x4=20)**

1. Compare and contrast the livelihood patterns in urban and rural areas.
2. Explain the benefits of integrating livestock and aquaculture in an integrated farming system.
3. Discuss the role of NABARD and ICAR in promoting commercial farming-based livelihood models.
4. What are the major risks associated with farming-based livelihood systems, and how can it be mitigated?
5. Describe the major government schemes and programs supporting farming-based livelihoods.
6. What are the factors affecting the integration of farming and non-farming enterprises?

**(P.T.O)**

7. Discuss the impact of climate change, digitalization, and changing lifestyles on farming-based livelihood system.

**IV. Write an essay on any ONE of the following (1x10=10)**

1. Discuss the various components of farming-based livelihood systems and explain how each contributes to the sustainability and profitability of agricultural enterprises.
2. Role of farming-based livelihood enterprises in 21<sup>st</sup> century in view of circular economy, green economy, climate change, digitalization and changing life style.