

Kerala Agricultural University
KELAPPAJI COLLEGE OF AGRICULTURAL ENGG. & FOOD TECHNOLOGY
I Semester B. Tech. (Food Tech.)- Final Examination, February 2026
Farming Based Livelihood System (2+1)

BES 1115

Marks: 50

Time: 2 hour

I. Answer the following

(10×1 marks = 10 marks)

1. Define cropping pattern
2. The practice of growing two or more crops in the same field in a fixed row arrangement is known as _____ .
3. Define precision agriculture
4. Expand IFSRS with its location
5. Define Ratooning
6. Net cultivated land in India in _____ m ha.
7. The cultivation of two or more crops in the same season without maintaining a definite row pattern is called _____ .
8. Average annual rainfall of Kerala _____ mm.
9. Define pastoral farming
10. Define hydroponic farming

II. Write short notes on any FIVE of the following

(5×2 marks = 10 marks)

1. Advantages of farming based livelihood system
2. Write a short note on some important crop based livelihood systems practiced in Kerala.
3. Write a short note on integrated farming systems.
4. Define livelihood with its principles
5. How agroforestry system helps to maintain soil fertility and reduce soil erosion
6. Define farming system and explain its components
7. Write a short note on aquaculture based system

III. Write any FIVE of the following

(5×4 marks = 20 marks)

1. What is meant by the Agricultural Livelihood System? Describe its major approaches
2. Discuss the various risks involved in a farming-based livelihood system and the factors that contribute to its success.

3. Differentiate between rural and urban livelihood.
4. Define a cropping system and describe its different types
5. What is farming system and explain with its components
6. Explain the different components of livestock-based livelihood systems.
7. Define cropping system and explain its classification

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

1. Explain the different indicators used to study livelihood systems
2. List and explain the different traditional and modern farming systems practiced in India.