

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

**B.Sc. (Hons.) Agriculture / B.Sc. (Hons.) Horticulture / B.Tech. (Biotechnology) /
B.Tech. (Food Technology) / B.Sc. (Hons.) Agri-Business Management / B.Sc. (Hons.) Forestry /
B.F.Sc. (Hons.) / B.Sc. (Hons.) Community Science**

Semester	: I (New)	Term	: First	Academic Year	: 2024-25
Course No.	: MDC-111	Title	: Farming-based Livelihood Systems		
Credits	: 3(2+1)				
Day & Date	: Monday, 10.02.2025	Time	: 10:00 to 13:00 hrs.	Total Marks	: 80

- Note :**
1. Solve ANY EIGHT questions from SECTION 'A'.
 2. All questions from SECTION 'B' are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagram wherever necessary.

SECTION 'A'

- Q.1 a) Define Livelihood. Differentiate between Urban livelihood patterns and Rural livelihood patterns.
b) Enlist the sources of income and give the factors affecting income of farmers and rural people in India.
- Q.2 a) Enlist different indicators to measure livelihood systems.
b) Explain any one of the indicator to measure livelihood resilience.
- Q.3 a) Enlist the risk factors in farming-based livelihood systems and explain any one of them.
b) Explain Integrated Farming System approach with example.
- Q.4 a) Define Farming systems. Give the role of farming systems in rural livelihood.
b) Write the components of farming systems.
- Q.5 a) State the types of traditional and modern farming systems.
b) Give the differences between Traditional farming system and Modern farming system.
- Q.6 a) Define Cropping pattern. Enlist the different cropping systems.
b) Write an importance of crop diversification for rural livelihood.
- Q.7 a) Write an importance of livestock-based farming systems.
b) State the role of fruit cultivation in rural income generation.
- Q.8 a) State the factors affecting integration of various enterprises of farming for livelihood.
b) Give the strategies for integration of enterprises of farming.
- Q.9 a) What do you mean by Agro-climatic zone? Enlist the agro-climatic zones of India.
b) Give the characteristics and agricultural potential of any one of the agro-climatic zones of India.
- Q.10 Write short notes on (Any Two):
- a) Role of Agriculture in Indian Economy
 - b) Agro-forestry systems for livelihood
 - c) National Rural Livelihood Mission

(P.T.O.)

SECTION 'B'

Q.11 Do as directed:

- 1) _____ is the India's apex development bank, established to promote sustainable and equitable Agriculture and Rural development.
- 2) The First Green Revolution was confined mainly to Punjab, Haryana and Western Uttar Pradesh. (State True or False)
- 3) Write any one example of Vegetable-based farming system model.
- 4) Give any one example of Integration of fish-based livelihood system.
- 5) Define: Agricultural Livelihood Systems (ALS).
- 6) Give any one example of Spices-based cropping system model.
- 7) Climate SMART/ Weather forecasting is an approach of adoption of improved technologies and practices, that facilitate resilience in climate change safeguarding farm's profitability and income. (Choose the appropriate word)
- 8) Which state of India is known as the 'Granary State of India'?

Q.12 Match the pairs:

- | 'A' | 'B' |
|---------------------|----------------------------|
| 1) Circular Economy | a) Linked activities |
| 2) Green Economy | b) Waste-to-Resource |
| 3) PM-KISAN | c) Shrimp farming |
| 4) Farmer FIRST | d) Sustainable livelihoods |
| 5) Digital media | e) Kisan Sarthi |
| 6) Aquaculture | f) Rs. 6000 per year |
| 7) Value chain | g) Local processing |
| 8) Value addition | h) ICAR |

