

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD
SEMESTER END THEORY EXAMINATION

B.Sc. (Hons.) Agriculture/ B.Sc. (Hons.) Horticulture/ B.Tech. (Agricultural Engineering)/ B.Tech. (Biotechnology)/
B.Tech. (Food Tech.)/ B.Sc. (Hons.) A.B.M./ B.Sc. (Hons.) Forestry/ B.F.Sc. (Hons.)/ B.Sc. (Hons.) Community Sci.

Semester : I (New)	ICAR - Sixth Deans' Committee Syllabus	Acad. Year : 2025-26
Course No. : MDC-111	Title : Farming-Based Livelihood Systems	
Credit Hrs. : 3(2+1)		
Day, Date : Monday, 09.02.2026	Time : 10:00 to 12:00 hrs.	Total Marks : 40

Note: Draw neat diagram wherever necessary

SECTION 'A' : Questions with Descriptive Long Answers (Any 4)

	Marks
Q.1 Elaborate the diverse sources of farmer's income in rural India.	6
Q.2 What are the major types of livelihoods in India?	6
Q.3 Enlist the risk factors in farming-based livelihood systems and explain the environmental risks in detail.	6
Q.4 a) Explain the Climate-Smart Agriculture framework in agricultural livelihood system.	3
b) Define Farming system and give the specific objectives of farming system.	3
Q.5 a) Enlist the Aquaculture systems and describe the importance of Aquaculture.	4
b) What is the importance of NABARD in farming-based livelihood system?	2
Q.6 a) Describe the Sericulture component in integrated farming system.	3
b) What are the strategies for integration of enterprises in farming system?	3

SECTION 'B' : Questions with Descriptive Short Answers (Any 4)

Q.7 Distinguish between Intercropping and Mixed cropping.	2
Q.8 Give the feeding management of cattle.	2
Q.9 Clarify the scheme 'PM-KISAN'.	2
Q.10 Write a short note on White revolution.	2
Q.11 Enlist the roles of farming-based livelihood enterprises in 21 st century in view of Circular and Green Economy.	2

SECTION 'C' : Objective-type Compulsory Questions

Q.12 Define the following terms:	4
1) Organic Farming	
2) Cropping Pattern	
3) Supplementary Enterprises	
4) Agro-Climatic Zone	

(P.T.O.)

Q.13 Fill in the blanks:

- 1) Most of the rainfed intercropping systems in India, is in _____ series.
- 2) _____ is referred as the one crop variety grown alone in the pure stand at normal density.
- 3) The ICAR-Indian Institute of Farming Systems Research (ICAR-IIFSR) is located, at _____.
- 4) The components involved in Farming system must be _____ in nature.
- 5) The _____ is the best substrate for mushroom cultivation.
- 6) The amount of monthly agricultural household income was _____ as per the last survey conducted by National Sample Survey Office (NSSO) in 2018-19.
- 7) In _____ farming, more labours and capital is used on the same piece of land.
- 8) For increasing the profit and utilization of resources effectively, the _____ can be combined with fish.

