MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

[Fifth Deans' Committee Recommended Syllabus]

Semester	: IV	Term	: Second	Academic Year	: 2024-25
Course No.	: AGRO 247	Title	: Farming System and Sustainable Agriculture		
Credits	: 1(1+0)				
Day & Date	: Saturday, 12.04.2025	Time	: 9:00 to 11:00 hrs.	Total Marks	: 40

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 Give the classification of farming systems and explain in short the diversified farming system.

Q.2 Write in short about 'How cropping systems are more efficient'?

Q.3 Define Farming system and explain in short its different components.

Q.4 Define Sustainable Agriculture. Give the advantages and disadvantages of Sustainable Agriculture.

Q.5 Enlist the advantages of Integrated Farming System. Give one example of integrated farming system model for dry land including various components.

Q.6 Enlist different cropping systems and explain in detail intercropping system.

Q.7 Define Organic Farming and enlist the advantages of Organic Farming.

Q.8 Write short notes on (Any Two):

a) Specialized farming b) Objectives and scope of farming system

c) Advantages of Conservation Agriculture

Q.9 Explain in short the principles and objectives of LEISA (Low External Input Sustainable Agriculture).

Q.10 Explain in short the indices used for comparing the efficiency of different cropping systems.

SECTION 'B'

Q.11 Define the following terms:

1) Alley cropping
2) Integrated Farming System
3) Benefit : Cost Ratio
4) Total Nomadism

Q.12 Fill in the blanks:

1) Apiculture is related to _____ production.
2) The cultivation of crop regrowth after harvest, is known as _____.
3) Cultivation of two or more crops one after another on the same field in a year, is known as _____.
4) _____ and _____ are the non-monetary inputs for crop production.

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