

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester : III (New)	[ICAR - Sixth Deans' Committee Syllabus]	Acad. Year : 2025-26
Course No. : AGRO-233	Title : Principles and Practices of Natural Farming	
Credit Hrs. : 2(1+1)	Day, Date : Wednesday, 17.12.2025	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	What are different types of Natural Farming? Explain in detail 'Do-Nothing Farming'.	6
Q.2	Define Natural Farming. Write in detail about the principles of Natural Farming.	6
Q.3	Explain the four main pillars of Natural Farming.	6
Q.4	a) What are the benefits of integration of livestock with crops and trees in Natural Farming? b) Define Biodiversity. Give the role and importance of agro-biodiversity in agriculture.	3 3
Q.5	a) Discuss the importance of Natural Farming in view of soil health and Sustainable Development Goals (SDGs). b) Write in brief about the history of Indian Agriculture.	3 3
Q.6	a) Write in detail about nutrient management in Natural Farming. b) Write in brief about various methods of weed management used in Natural Farming.	3 3

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

Q.7	Write in brief about Ecological balance.	2
Q.8	Write a note on Carbon and Nitrogen footprint.	2
Q.9	What is NMNF? Write its objectives.	2
Q.10	What are the different indigenous marketing techniques for farm produce in Natural Farming?	2
Q.11	Write about essential farm implements and tools used in Natural Farming.	2

SECTION 'C' : Objective-type compulsory Questions

Q.12	Do as directed: 1) Define : Green Manuring 2) What do you mean by Indigenous seeds? 3) Name any two bio-inputs used in Natural Farming. 4) Spell-out : PKVY.	4
Q.13	Fill in the blanks: 1) Natural Farming is _____ specific and follows agro-ecological principles. 2) _____ is the process of capturing and storing atmospheric Carbon dioxide (CO ₂) in plants and soil to mitigate climate change. 3) _____ is referred as the 'Father of Natural Farming'. 4) Growing of two or more crops simultaneously on the same piece of land at a same time, is called as _____.	4

