MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION
B.Sc.(Hons.) Agriculture

Semester	: I (New)	Term	: First	Academic Year	: 2022-23
Course No.	: AGRO 111	Title	: Fundamentals of Agronomy-I		
Credits	: 2 (1+1)				
Day & Date	: Wednesday, 05.04.2023	Time	: 10:00 to 12:00 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 Elaborate the term 'Agronomy' and state the relation of agronomy with other sciences.

Q.2 Define tillage. Enlist types of tillage and explain in detail the objectives of tillage.

Q.3 Define seed. Explain in detail the multiplication stages of seed.

Q.4 Define plant ideotype. Describe in detail various types of ideotype.

Q.5 Enlist the methods of sowing of agronomic crops and explain any one in detail.

Q.6 Define planting geometry. Enlist its types and describe the factors affecting planting geometry.

Q.7 Define growth and development. Explain in detail the growth curve.

Q.8 What do you mean by weed? Write the classification of weed on the basis of ontogeny with suitable examples.

Q.9 Define fertilizer. Write in detail the methods of manure and fertilizer application.

Q.10 Write short notes on (Any Two):

a) Biological method of weed control b) Allelopathy c) Crop rotation

SECTION 'B'

Q.11 Define the following terms:

1) Threshing
2) Puddling
3) Tilth
4) Physiological maturity

Q.12 Do as directed:

1) Give the formula for Nutrient Use Efficiency.
2) _____ nutrient is responsible for resistance in plants.
3) _____ is the biological control measure for *Parthenium hysterophorus*.
4) _____ is the application of herbicide before sowing.

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