MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: **IV (New)**	Term	: **Second**	Academic Year	: **2021-22**
Course No.	: **H/AGRO 242**	Title	: **Introduction to Major Field Crops**		
Credits	: **2 (1+1)**				
Day & Date	: **Friday, 16.09.2022**	Time	: 14:00 to 16:00 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 Define Agronomy. Write in detail the role of an Agronomist.

Q.2 Define Tillage. Give the objectives of tillage.

Q.3 Define Crop Rotation. Discuss various principles and advantages of crop rotation.

Q.4 Write in detail regarding cultivation of Soybean on the following points:

a) Land preparation
b) Nutrient management
c) Weed management
d) Harvesting and yield

Q.5 Give the information on the following points about the cultivation of *Kharif* Sorghum:

a) Soil and climate
b) Intercropping
c) Growth stages
d) Harvesting and yield

Q.6 Write in detail regarding the cultivation of Pigeon pea on the following points:

a) Soil and climate
b) Weed management
c) Intercropping
d) Pest management

Q.7 Prepare a leaflet of Groundnut cultivation on the following points:

a) Soil and climate
b) Seed and sowing
c) Intercultural operations
d) Harvesting and yield

Q.8 Define Weed. Write in brief the characteristics of weed.

Q.9 What is fertilizer? Describe various methods of application of fertilizers.

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

a) Green manuring
b) Integrated weed management
c) System of Rice Intensification for Paddy nursery

(P.T.O.)

agromind.in

Telegram - AgroMind

SECTION 'B'

Q.11 Fill in the blanks:

1) _____ is the scientific name of Sorghum.

2) 2, 4-D is a _____ herbicide.

3) Pigeon pea is a _____ rooted crop.

4) _____ is a mimicry weed of Wheat.

Q.12 Match the pairs:

'A'	'B'
1) Forage Bajara	a) African tall
2) Maize	b) *Hardeum vulgare*
3) Groundnut	c) *Pennisetum glaucum*
4) Barley	d) *Arachis hypogaea*

agromind.in

Telegram - AgroMind