MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

Semester	: IV (New)	**Term**	: II	**Academic Year**	: 2018-19
Course No.	: H/AGRO 242				
Credits	: 2 (1+1)	**Title**	: **Introduction to Major Field Crops**		
Day & Date	: Tuesday, 07.05.2019	**Time**	: 14.00 to 16.00	**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 diagrams wherever necessary.

SECTION "A"

Q.1 Define Agronomy. Describe in detail scope and importance of Agronomy.

Q.2 Enlist the Agro Climatic Zones of Maharashtra State with its Head office and give silent features of Scarcity Zone.

Q.3 Enlist different methods of sowing and explain in detail drilling method.

Q.4 Give cultivation practices of Bajara on the following points.

a) Seeds and sowing
b) Varieties
c) Nutrient management
d) Yield (q/ha)

Q.5 Give the improved cultivation practices of irrigated cotton on the following points.

a) Seeds and sowing
b) Weed management
c) Irrigation management
d) Harvesting and Yield (q/ha)

Q.6 Give cultivation practices of green gram considering the following points.

a) Seeds and sowing
b) Nutrient management
c) Pest and disease management
d) Harvesting and Yield (q/ha)

Q.7 Prepare leaflet on soybean crop considering the following points.

a) Seeds and sowing
b) Nutrient management
c) Varieties
d) Harvesting and yield

Q.8 Define cropping system. State its classification and describe intercropping.

Q.9 Define tillage. Enlist the objectives of tillage and describe any two of them.

Q.10 Write short notes(Any Two).

a) Objectives of crop rotation
b) Classification of fertilizers
c) Crop classification on the basis of life cycle

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SECTION "B"

Q.11 Do as directed.

1) Enlist two examples of green manuring crops.
2) Give the two varieties of maize for fodder.
3) Central Rice Research Institute is situated at _____.
4) On the basis of the root system, red gram is classified as_____ crop.

Q.12 Match the following pairs.

'A'	'B'
1) Groundnut	a) Forage crop
2) Sunflower	b) PKV-4
3) Lucerne	c) Oilseed crop
4) Black gram	d) Phototropism
	e) TPU-4

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