

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agriculture

Semester	: III (New)	Term	: I	Academic Year	: 2019-20
Course No.	: AGRO 234	Title	: Crop Production Technology –I (Kharif Crops)		
Credits	: 2 (1+1)	Time	: 09.00 to 11.00	Total Marks	: 40
Day & Date	: Tuesday, 05.11.2019				

- 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 Explain in detail the cultivation of Cotton on the following aspects.
- a) Soil and climate
 - b) Inter-cultivation
 - c) Quality parameters
 - d) Harvesting and yield
- Q.2 Discuss in detail the cultivation of Pigeonpea on the following points.
- a) Seed and sowing
 - b) Rotation and mixed cropping
 - c) Fertilizer management
 - d) Harvesting and yield
- Q.3 Describe in detail the cultivation of *Kharif* sorghum on the following points.
- a) Seed and sowing
 - b) Intercultivation
 - c) Manures and fertilizers
 - d) Ratoon crop management
- Q.4 Discuss in detail the cultivation of groundnut on the following aspects.
- a) Economic importance
 - b) Soil and climate
 - c) Seed and sowing
 - d) Improved varieties
- Q.5 Describe in detail the cultivation of paddy on the following points.
- a) Soil and climate
 - b) Fertilizer management
 - c) Irrigation management
 - d) Harvesting and yield
- Q.6 Explain in detail the cultivation of maize for forage purpose on the following points.
- a) Soil and climate
 - b) Seed and sowing
 - c) Nutrient management
 - d) Harvesting and yield
- Q.7 Discuss in detail the cultivation of soybean on the following aspects.
- a) Seed and sowing
 - b) Selection of Varieties
 - c) Nutrient management
 - d) Harvesting and yield

(P.T.O.)

Q.8 Explain in detail the cultivation of green gram on the following points.

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|----------------------|-------------------------|
| a) Field Preparation | b) Seed and sowing |
| c) Water management | d) Harvesting and yield |

Q.9 Describe in detail the cultivation of finger millet on the following points.

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|-----------------------|-------------------------|
| a) Improved varieties | b) Seed and sowing |
| c) Weed management | d) Harvesting and yield |

Q.10 Write short notes (Any Two)

- a) Retting and fiber extraction in jute
- b) System of Rice Intensification (SRI)
- c) Malting of finger millet

SECTION "B"

Q.11 Match the following pairs.

'A'

- 1) Groundnut
- 2) Maize
- 3) Rice
- 4) Black gram

'B'

- a) Mexico
- b) South East Asia
- c) India
- d) Brazil

Q.12 Fill in the blanks.

- 1) The protein content of milled rice is usually _____.
- 2) Napier grass belongs to family _____.
- 3) Botanical name of Foxtail millet is _____.
- 4) Groundnut seed contains _____ % oil.

