

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Agriculture**

Semester : III (New)	Term : First	Academic Year : 2022-23
Course No. : AGRO 234	Title : Crop Production Technology-I (Kharif Crops)	
Credits : 2(1+1)		
Day & Date : Thursday, 02.02.2023	Time : 09:00 to 11:00 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 Describe the cultivation practices of Maize on the following points:
- a) Seed and sowing
  - b) Nutrient management
  - c) Weed management
  - d) Harvesting and yield
- Q.2 Explain in detail the cultivation practices of low land Rice on the following aspects:
- a) Soil and climate
  - b) Seed treatment
  - c) Weed management
  - d) Harvesting and yield
- Q.3 Explain in detail the cultivation practices of Kharif Sorghum on the following points:
- a) Soil and climate
  - b) Seed and sowing
  - c) Nutrient management
  - d) Harvesting and yield
- Q.4 Describe in detail the cultivation practices of Pigeon pea on the following points:
- a) Seedbed preparation
  - b) Seed and sowing
  - c) Nutrient management
  - d) Harvesting and yield
- Q.5 Explain in detail cultivation practices of Groundnut on the following aspects:
- a) Soil and climate
  - b) Seed and sowing
  - c) Nutrient management
  - d) Inter-cultivation
- Q.6 Describe the cultivation practices of Soybean on the following points:
- a) Seed and sowing
  - b) Nutrient management
  - c) Weed management
  - d) Harvesting and yield
- Q.7 Describe the cultivation practices for irrigated Hybrid Cotton on the following aspects:
- a) Soil and climate
  - b) Seed and sowing
  - c) Weed management
  - d) Harvesting and yield

(P.T.O.)

- Q.8 Explain in detail the cultivation practices of Green gram on the following points:
- Soil and climate
  - Seed and sowing
  - Nutrient management
  - Harvesting and yield
- Q.9 Describe sowing method, harvesting and yield of the following crops (Any Two):
- Hybrid Napier
  - Pearl millet
  - Cowpea
- Q.10 Write short notes (Any Two):
- Retting of Jute
  - Importance of Pulses
  - Soil and climate of Sesame

#### SECTION 'B'

- Q.11 Match the pairs:

'A'

'B'

- |                  |                               |
|------------------|-------------------------------|
| 1) Little millet | a) <i>Guizotia abyssinica</i> |
| 2) Niger         | b) <i>Panicum sumatrense</i>  |
| 3) Groundnut     | c) <i>Dolichos biflorus</i>   |
| 4) Horse gram    | d) <i>Arachis hypogea</i>     |

- Q.12 Fill in the blanks:

- In Rice crop, \_\_\_\_\_ biofertilizer is used for N-fixation.
- \_\_\_\_\_ is the botanical name of Red gram.
- The Golden Rice contains vitamin \_\_\_\_\_.
- The origin of Green gram is \_\_\_\_\_.

