

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: III (New)	Term	: First	Academic Year	: 2023-24
Course No.	: AGRO 234	Title	: Crop Production Technology-I (Kharif Crops)		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 5.12.2023	Time	: 9:00 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 in detail the cultivation of *kharif* sorghum on the following points:
- a) Economic importance
 - b) Seed and Sowing
 - c) Weed management
 - d) Cropping system
- Q.2 Explain in detail the cultivation of soybean on the following points:
- a) Seed and sowing
 - b) Varieties
 - c) Fertilizer management
 - d) Harvesting and Yield
- Q.3 Elaborate the cultivation of pigeon pea on the following points:
- a) Climate and Soil
 - b) Seed and Sowing
 - c) Water management
 - d) Plant protection
- Q.4 Write in detail the cultivation of maize for grain purpose on the following points:
- a) Economic importance
 - b) Varieties
 - c) Weed management
 - d) Fertilizer management
- Q.5 Write short notes on:
- a) Cultivation methods of rice crop
 - b) Economic importance of cotton crop
- Q.6 Describe in detail the cultivation of *Bt* cotton on the following points:
- a) Seed and Sowing
 - b) Weed management
 - c) Fertilizer management
 - d) Irrigation management
- Q.7
- a) Importance of pulses in Indian agriculture
 - b) Importance of horse gram
- Q.8 Write in brief crop production technology of *kharif* groundnut.
- Q.9
- a) Weed and fertilizer management of bajra crop
 - b) Economic importance of niger crop
- Q.10 Prepare a leaflet on green gram cultivation.

(P.T.O.)

SECTION 'B'

Q.11 Fill in the blanks:

- 1) The botanical name of napier grass is _____.
- 2) Maize protein is called as _____.
- 3) 'BSMR-853' is a variety of _____ crop.
- 4) Soybean is called as _____ crop.

Q.12 Match the pairs:

'A'

'B'

- | | |
|-------------------|---------------------------------|
| 1) Marvel grass | a) Poor man's crop |
| 2) Cowpea | b) <i>Setaria italica</i> |
| 3) Pearl millet | c) <i>Dichanthium annulatum</i> |
| 4) Foxtail millet | d) <i>Vigna unguiculata</i> |

