

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

B.Sc. (Agri.)

Semester : IV (New)	Term : II	Academic Year : 2016-17
Course No. : AGRO 247	Title : Field Crops – II (Rabi Crops)	
Credits : 3 (2+1)	Time : 14.00 to 17.00	Total Marks : 80
Day & Date : Thursday, 04.05.2017		

- 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 Describe in detail the cultivation practices of *Suru* Sugarcane with respect to.
- 1) Land preparation
 - 2) Seeds and sowing
 - 3) Weed management
 - 4) Nutrient management
- Q.2 Describe in detail the cultivation practices of Chickpea with respect to.
- 1) Seeds and sowing
 - 2) Improved varieties
 - 3) Weed management
 - 4) Pest and disease management
- Q.3 Explain in detail the cultivation of Potato with respect to.
- 1) Soil and climate
 - 2) Seeds and sowing
 - 3) Earthing up
 - 4) Harvesting and yield
- Q.4 Prepare a leaflet on the cultivation of Sunflower.
- Q.5 Write in detail the cultivation of Irrigated Wheat on following points:-
- 1) Soil and climate
 - 2) Seeds and sowing
 - 3) Fertilizer management
 - 4) Irrigation management
- Q.6 Write down the cultivation of *Rabi* Sorghum on following points:-
- 1) Soil and climate
 - 2) Seeds and sowing
 - 3) Fertilizer management
 - 4) Harvesting and yield
- Q.7 Describe in detail the cultivation practices of Mustard on following aspects :-
- 1) Soil and climate
 - 2) Seeds and sowing
 - 3) Fertilizer management
 - 4) Pest and disease management
- Q.8 Describe in detail the cultivation practices of Linseed on following aspects :-
- 1) Soil and climate
 - 2) Seeds and sowing
 - 3) Fertilizer management
 - 4) Pest and disease management
- Q.9 Write in short the cultivation of forage Maize.

(P.T.O)

Q.10 Write short notes (Any Two).

- 1) Malting in Barley.
- 2) Malic acid and collection from Chickpea.
- 3) Importance of pulses in agriculture.

SECTION "B"

Q.11 Fill in the blanks.

- 1) Sugarbeet belongs to the family _____.
- 2) _____ is the botanical name of Potato.
- 3) _____ is the root parasitic weed of Jowar.
- 4) Sponginess in Wheat is due to presence of _____ protein.
- 5) Seed rate of Oat is _____ kg/ ha.
- 6) Pre-seasonal Sugarcane is planted in the months of _____.
- 7) African Tall is the popular variety of _____.
- 8) Flowering in Sugarcane is termed as _____.

Q.12 Complete the following table.

Sr.No.	Crop	Botanical Name	Seed Rate (Kg/ ha)
1)	Barley		
2)	Lentil		
3)	Linseed		
4)	Berseem		

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