

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : IV (Old)	Term : II	Academic Year : 2017-18
Course No. : AGRO 247	Title : Field Crops – II (<i>Rabi Crops</i>)	
Credits : 3 (2+1)	Time : 14.00 to 17.00	Total Marks : 80
Day & Date : Wednesday, 02.05.2018		

- 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 practices of irrigated wheat (timely sown) on the following points.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Irrigation management
 - d) Harvesting and yield.
- Q.2 Describe the cultivation practices of chick pea with respect to.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Improved varieties
 - d) Harvesting and yield
- Q.3 Explain in detail the cultivation of safflower on the following points.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Nutrient management
 - d) Harvesting and yield
- Q.4 Prepare a leaflet on cultivation of lucerne on the following points.
- a) Seed bed preparation
 - b) Seeds and sowing
 - c) Nutrient management
 - d) Cutting management and yield
- Q.5 Describe in brief the cultivation of pre-seasonal sugarcane on the following points.
- a) Selection of seed material
 - b) Planting time and method
 - c) Fertilizer management
 - d) Varieties
- Q.6 Write about the cultivation of potato on following points.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Varieties
 - d) Harvesting and yield
- Q.7 Describe in brief the cultivation of Isabgol on following points
- a) Soil and climate
 - b) Seeds and sowing
 - c) Fertilizer management
 - d) Harvesting and yield

(P.T.O.)

- Q.8 Describe in brief the cultivation practices of mustard with respect to.
- Soil and climate
 - Seeds and sowing
 - Varieties
 - Harvesting and yield
- Q.9 Describe in brief the cultivation of *rabi* sorghum on following points.
- Seed bed preparation
 - Seeds and sowing
 - Irrigation
 - Harvesting and yield
- Q.10 Write short notes (Any Four).
- Importance of Pulses in Indian Agriculture.
 - Malting in barley.
 - Uses of lemon grass.
 - Hand pollination in sunflower.
 - Curing of tobacco.

SECTION "B"

Q.11 Fill in the blanks.

- The sunflower belongs to _____ family.
- Botanical name of Palmarosa is _____.
- The flowering in sugarcane is known as _____.
- The root parasitic weed associated with sorghum is _____.
- The seed rate requirement of linseed is _____ kg ha⁻¹.
- Berseem is originated from _____.
- _____ kg seed is sufficient for raising one hectare nursery of tobacco.
- The seed rate requirement of oat is _____ kg ha⁻¹.

Q.12 State True or False.

- Sunflower can be grown in any season.
- Malvika (HD-4502) is dwarf durum variety of barley.
- Green tops of sugar beet are fed directly to cattle.
- Citronella is aromatic tuber plant.
- Productivity of sugarcane is more in North India than South India.
- Mexican wheat is sown in shallow depth.
- Phaseolus vulgaris* is a botanical name of pea.
- Seed rate required for fodder maize is 25 kg/ha.

