

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : III (New)	Term : I	Academic Year : 2015-16
Course No. : AGRO 235	Title : Field Crops – I (Kharif Crops)	
Credits : 3(2+1)		
Day & Date : Wednesday, 21.10.2015	Time : 9.00 to 12.00	Total Marks : 80

- 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 Give detail information about *Kharif* sorghum for grain purpose on following aspects.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Manures and fertilizers
 - d) Harvesting and yield
- ✓ Q.2 Describe in detail about cultivation of upland rice on following points.
- a) Seeds and sowing
 - b) Manures and fertilizers
 - c) Weed management
 - d) Varieties
- ✓ Q.3 Give detail information about green gram on following aspects.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Weed management
 - d) Harvesting and yield
- ✓ Q.4 Write in detail about the cultivation of cowpea on following points.
- a) Land preparation
 - b) Soil and climate
 - c) Seeds and sowing
 - d) Manures and fertilizers
- Q.5 Give detail information about Kharif soybean on following points
- a) Economic importance
 - b) Soil and climatic requirements
 - c) Manures and fertilizers
 - d) Harvesting and yield
- ✓ Q.6 Give detail information about cultivation of niger on following aspects.
- a) Climatic and soil requirements
 - b) Seeds and sowing
 - c) Weed management and varieties
 - d) Harvesting, threshing and yield
- ✓ Q.7 Describe in detail about cultivation of jute on following aspects.
- a) Soil and climate
 - b) Seeds and sowing
 - c) Manures and fertilizers
 - d) Harvesting, retting, extraction and yield

(P.T.O.)

Q.8 Write short notes on (Any four).

- 1) Economic importance of black gram
- 2) Economic importance of cotton
- 3) Sawant's Integrated Rice Agrotechnology (SIRA)
- 4) Pest and diseases of groundnut
- 5) Seeds and sowing of finger millet

Q.9 Describe in detail about cultivation of maize for fodder purpose on following points.

- a) Soil and climate
- b) Seeds and sowing
- c) Manures and fertilizers
- d) Harvesting

Q.10 Give detail information about stylo grass for fodder purpose on following aspects.

- a) Soil and land preparation
- b) Seeds and sowing
- c) Manures and fertilizers
- d) Harvesting and fodder yield

SECTION "B"

Q.11 Fill in the blanks.

- 1) _____ crop is called as a queen of cereals.
- 2) In BT cotton the gene of _____ bacteria is introduced for minimizing the attack of boll-worm.
- 3) Sesamum contains _____ per cent oil.
- 4) _____ is the family of pigeon pea.
- 5) Sunnhemp crop grown for fibre purpose requires _____ kg seeds per hectare.
- 6) Seed rate of proso millet for transplanting method is _____ kg/ha.
- 7) Blister beetle is the major pest of _____ crop.
- 8) _____ crop is infested with tikka disease.

Q.12 Match the following pairs.

"A"

- 1) Castor
- 2) Pearl millet
- 3) Groundnut
- 4) Sunhemp
- 5) Little millet
- 6) Mothbean
- 7) Dinanath grass
- 8) Foxtail millet

"B"

- 6 a) Pulse crop
- 7 b) Fodder crop
- 4 c) Fiber crop
- 5 d) *Poaceae*
- 2 e) Ergot disease
- 9 f) *Setaria italica*
- g) *Paspalum scrobiculatum*
- 3 h) Drum rolling
- i) Aruna

