

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : III (New)	Term : I	Academic Year : 2016-17
Course No. : AGRO 235	Title : Field Crops – I (<i>Kharif</i> Crops)	
Credits : 3(2+1)		
Day & Date : Thursday, 17-11-2016	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 Write in detail regarding cultivation of soybean on the following points.
- a) Land preparation
 - b) Nutrient management
 - c) Weed management
 - d) Harvesting, threshing and yield
- Q.2 Advise farmer regarding cultivation of American cotton (rainfed) on the following points.
- a) Soil and climate
 - b) Nutrient management
 - c) Critical growth stages
 - d) Picking and yield
- Q.3 Describe SRI cultivation of rice on the following points.
- a) Spacing and seedling
 - b) Weed management
 - c) Water management
 - d) Yield
- Q.4 Give the information on following points about the cultivation of green gram.
- a) Economic importance
 - b) Improved varieties
 - c) Seed and sowing
 - d) Harvesting, threshing and yield
- Q.5 Prepare a leaflet of groundnut cultivation on the following points.
- a) Soil and climate
 - b) Seed and sowing
 - c) Intercultural operation
 - d) Harvesting and yield
- Q.6 Write in detail regarding the cultivation of pigeon pea on the following points.
- a) Soil and climate
 - b) Weed management
 - c) Intercropping
 - d) Pest management
- Q.7 Explain in detail the cultivation of maize (fodder) on the following points.
- a) Seed and sowing
 - b) Water management
 - c) Nutrient management
 - d) Harvesting and yield
- Q.8 Give information on the following points about the cultivation of *kharif* sorghum.
- a) Soil and climate
 - b) Intercropping
 - c) Growth stages
 - d) Harvesting, threshing and yield

(P.T.O)

Q.9 Discuss in detail about sowing and harvesting of the following crops (Any two).

- | | |
|-------------------|-----------------|
| a) Dinanath grass | b) Para grass |
| c) Hybrid Napier | d) Cluster bean |

Q.10 Write short notes on (Any two).

- 1) Retting and extraction process in jute.
- 2) Nutritive value of minor millets.
- 3) Economic importance of soybean.

SECTION "B"

Q.11 Fill in the blanks

- 1) Pearl millet crop harvested for forage purpose at _____ stage.
- 2) The oil content in groundnut seed is _____ per cent.
- 3) _____ is a root parasite of sorghum.
- 4) Kidney bean belongs to family _____.
- 5) The ergot is the serious fungus disease of _____.
- 6) Niger seed contains _____ per cent oil.
- 7) Jute fiber is known as _____.
- 8) Inter cultivation in groundnut is restricted after _____ stage.

Q.12 Match the following pairs.

"A"

"B"

- | | |
|-----------------------|------------------------------|
| 1) Pawna grass | a) <i>Pennisetum glaucum</i> |
| 2) Horse grass | b) Kultha |
| 3) Forage bajara | c) African tall |
| 4) Maize | d) <i>Cenchrus ciliaris</i> |
| 5) Anjan grass | e) Fungal disease |
| 6) Groundnut | f) <i>Schima nervosum</i> |
| 7) <i>Trichoderma</i> | g) <i>Arachis hypogaea</i> |
| 8) Blue panic | h) Neel grass |

