

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	: III (New)	Term	: I	Academic Year	: 2014-15
Course No.	: AGRO 235	Title	: Field Crops – I (Kharif Crops)		
Credits	: 3(2+1)				
Day & Date	: Thursday, 09.10.2014	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 package of practices for soybean production technology.
- Q.2 Give information about green gram on following points.
- 1) Ecology
 - 2) Seeds and sowing
 - 3) Varieties
 - 4) Harvesting and yield
- Q.3 Discuss on seeds and sowing and fertilizer management of pearl millet and castor crop.
- Q.4 Describe in detail the cultivation of Bt cotton on the following aspects.
- 1) Ecology
 - 2) Seeds and sowing
 - 3) Fertilizer management
 - 4) Plant protection
- Q.5 a) What are the constraints in oilseed crops production?
b) Importance of pulse crops in Indian agriculture.
- Q.6 Prepare a leaflet for niger cultivation.
- Q.7 a) Write a note on harvesting of groundnut.
b) Give economic importance of jute crop.
- Q.8 Enlist different methods of rice cultivation and describe the dapog method.
- Q.9 a) Explain about seed rate and fertilizer dose for fodder maize.
b) Give importance of sunhemp as a green manure crop.
- Q.10 Write short notes on (Any Two).
- a) Para grass cultivation
 - b) Seeds and sowing and varieties of kharif sorghum
 - c) Maturity signs and harvesting of sesame
 - d) Ecology and economic importance of finger millet

(P.T.O.)

SECTION "B"

Q.11 Fill in the blanks.

- 1) Botanical name of dhaincha is _____.
- 2) Castor seed is the richest source of _____ acid.
- 3) Leading jute producing state of India is _____.
- 4) In sorghum, HCN is maximum at _____ days stage of growth.
- 5) Pulse crop grown for grain, fodder and green manure is _____.
- 6) BSMR-736 and BSMR-853 are the popular varieties of _____ crop.
- 7) *Rhizobium* species found in the root nodules of soybean crop is _____.
- 8) Rice bran contains 12-15% protein and _____ % oil and is rich in Vit. B complex.

Q.12 Match the following pairs.

"A"	"B"
1) Sesamum	6 a) <i>Panicum miliaceum</i>
2) Deccanhemp	7 b) Poaceae / HCN
3) Little millet	5 c) Aflatoxin
4) Cotton	2 d) Mesta
5) Sunnhemp	1 e) Pedaliaceae
6) Proso millet	4 f) <i>Gossypol</i>
7) Sorghum	8 g) Papilionaceae
8) Groundnut	3 h) <i>Panicum sumatrense</i>

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