MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD

SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	:	III (New)	[ICAR - Sixth Deans' Committee Syllabus]		Acad. Year	:	2025-26
Course No.	:	AGRO-232	Title	:	Crop Production Technology-I (*Kharif* Crops)		
Credit Hrs.	:	3(1+2)					
Day, Date	:	Tuesday, 16.12.2025	Time	:	10:00 to 12:00 hrs.	Total Marks	: 40

Note: Draw neat diagram wherever necessary

SECTION 'A' : Questions with Descriptive Long Answers (Any 4) **Marks**

Q.1 Give the cultivation practices for lowland paddy considering the following aspects: 6

a) Puddling b) Transplanting

c) Nutrient management d) Weed management

Q.2 Write the cultivation practices of *kharif* sorghum on the following points: 6

a) Soil and Climate b) Seed and Sowing

c) Interculturing operations d) Harvesting, Threshing and Yield

Q.3 Guide the farmers in brief on the cultivation of *kharif* green gram on the following points: 6

a) Varieties b) Seed and Sowing

c) Manures and Fertilizers d) Harvesting and Yield

Q.4 Write in brief the cultivation of irrigated hybrid cotton on the following points: 6

a) Seed and Sowing b) Nutrient management

c) Weed management d) Quality parameters and Yield

Q.5 a) Give fertilizer management and intercultural operations of groundnut. 3

b) Write the economic importance and maturity signs with yield of sesame. 3

Q.6 Prepare leaflets on cultivation practices of the following *kharif* crops:

a) Soybean 3

b) Fodder maize 3

SECTION 'B' : Questions with Descriptive Short Answers (Any 4)

Q.7 State the benefits of minor millets. 2

Q.8 Give the importance and nutrient management of pigeon pea. 2

Q.9 Write the soil requirement and seed treatment for pearl millet. 2

Q.10 Write a note on retting in jute. 2

Q.11 Give the seed rate and cutting management of fodder cowpea. 2

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SECTION 'C' : Objective-type compulsory Questions

Q.12 Do as directed: 4

1) _____ is a cereal crop having highest content of Calcium.

2) Write the Family of castor.

3) Which field crop is called as a 'Camel of Desert'?

4) 'Phule Rajan' is a variety of Black gram / Castor / Horse gram crop. (Choose the correct-crop)

Q.13 Match the pairs: 4

'A'	'B'
1) Proso millet	a) *Cyamopsis tetragonoloba*
2) Horse gram	b) *Panicum miliaceum* L.
3) Niger	c) *Macrotyloma uniflorum*
4) Cluster bean	d) *Guizotia abyssinica* L.
	e) *Pennisetum purpureum*

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