MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	**: III (Old)**	**Term**	**: I**	**Academic Year**	**: 2018-19**
Course No.	**: AGRO 235**	**Title**	**: Field Crops – I (*Kharif* Crops)**		
Credits	**: 3(2+1)**				
Day & Date	**: Monday, 12.11.2018**	**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 Describe in detail regarding cultivation of rice on the following points.
a) Economics importance b) Cultivation methods
c) Fertilizer management d) Harvesting and yield

Q.2 Discuss in detail about cultivation of maize on the following aspects.
a) Seed and sowing b) Weed Management
c) Hybrids and varieties d) Harvesting and yield

Q.3 Prepare a leaflet on pigeon pea (Tur) in respect of the following points.
a) Seed and sowing b) Varieties
c) Plant protection d) Harvesting and yield

Q.4 Elaborate the production technology for cotton crop with respect to the following aspects.
a) Climate and soil b) Seed and sowing
c) Irrigation management d) Picking and yield

Q.5 Give the detail information of sorghum crop with respect to the following points.
a) Seed and sowing b) Fertilizer management
c) Plant protection d) Harvesting and yield

Q.6 Explain in detail the cultivation of groundnut on the following points.
a) Climate and soil b) Seed and sowing
c) Intercultivation d) Plant protection

Q.7 Describe in detail about seed, sowing and harvesting of the following crops (Any Two).
a) Hy. Napier grass b) Stylo grass
c) Fodder bajra d) Fodder cowpea

Q.8 Discuss in detail about cultivation of sesamum with reference to the following aspects.
a) Climate and soil b) Seed and sowing
c) Varieties d) Weed management

(P.T.O.)

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Q.9 Write short notes. (Any Two).

a) Nutritive value of minor millets

b) Retting in jute

c) Types of green manuring

Q.10 a) Write the importance of pulse crops in Indian agriculture.

b) What are the constraints in oilseed crop production?

SECTION "B"

Q.11 Fill in the blanks.

1) The botanical name of castor is _____.

2) _____ is said to be Golden fibre of India.

3) Sunhemp belongs to _____ family.

4) Pusa phalguni is the popular variety of _____.

5) Oil content of Niger seed is _____.

6) _____is the economical part in ginger.

7) T-9 is the popular variety of _____ crop.

8) Green gram can be grown in all the three seasons due to its_____.

Q.12 Match the following pairs.

"A"	"B"
1) Foxtail millet	a) *Guizotia abyssinica*
2) Proso millet	b) *Corchorus capsularis*
3) Mesta	c) *Hibiscus cannabinnus*
4) Moth bean	d) *Pongamia glabra*
5) Niger	e) *Phaseolus acontifolius*
6) Karanj	f) *Panicum millare L.*
7) Jute	g) *Setaria italica*
8) Marvel grass	h) *Dicanthium annulatum*

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