MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	**: I (New)**	**Term**	**: I**	**Academic Year**	**: 2018-19**
Course No.	: AGRO 111	**Title**	**: Fundamentals of Agronomy- I**		
Credits	: 2(1+1)				
Day & Date	: Friday, 14.12.2018	**Time**	: 09.00 to 11.00	**Total Marks**	**: 40**

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 What do you mean by weed? Write in brief the characteristics of weeds.

Q.2 Define the term tillage. Give objects of tillage and effects of tillage on soil and crop growth.

Q.3 a) How you will classify herbicides?

b) Define plant ideotype and explain types of plant ideotype.

Q.4 State and explain various methods of sowing.

Q.5 What is seed? Explain in brief the objectives of seed treatment.

Q.6 Define Tilth. Describe in detail the modern concepts in respect of Minimum tillage and Zero tillage.

Q.7 Define crop rotation. Discuss various principles and advantages of crop rotation.

Q.8 Define the terms manure and fertilizer. How will you classify the manures and fertilizers?

Q.9 Give different methods of harvesting and threshing with example.

Q.10 Write short notes (Any Two).

a) Integrated Weed Management b) Green manuring

c) Nutrient use efficiency

SECTION "B"

Q.11 Fill in the blanks.

1) Jethro Tull is considered as a _____ of tillage.

2) Agronomy is essentially an _____ science depending on basic science.

3) A condition of soil suitable for germination of seeds is called_____.

4) Thio-urea treatment is given to_____ seed for breaking dormancy.

Q.12 Match the following pairs.

'A'	**'B'**
1) Selective herbicide	a) Rhizobium
2) Mimicry weed	b) 2,4-D
3) Complex fertilizer	c) Diammonium phosphate
4) Leguminous	d) *Phalaris minor*

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind