MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: **I (New)**	**Term**	: **I**	**Academic Year**	: **2017-18**
Course No.	: AGRO 111	**Title**	: **Fundamentals of Agronomy- I**		
Credits	: 2(1+1)				
Day & Date	: Thursday, 28.12.2017	**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 Define Agronomy and explain the scope of Agronomy with examples.

Q.2 Define tillage and explain objects of tillage.

Q.3 Enlist various methods of sowing and describe drilling method of sowing.

Q.4 Define growth and development. Explain in brief about growth curve.

Q.5 Enlist the different methods of weed control and explain in detail about mechanical methods of weed control.

Q.6 Define plant ideotype and explain types of plant ideotype.

Q.7 Define crop rotation and explain in brief advantages of crop rotation.

Q.8 Define weed and explain damages (losses) caused by weeds.

Q.9 Enlist different methods of fertilizer application and explain about localized method of fertilizer application.

Q.10 Write short notes (Any Two).
a) Characteristics of good quality seed
b) Signs of maturity in sugarcane
c) Zero tillage

SECTION "B"

Q.11 Define the following terms.
1) Seed dormancy
2) Puddling
3) Nutrient use efficiency
4) Top dressing of fertilizers

Q.12 State True or False and correct if necessary.
1) The physical condition of soil resulting from tillage is called tilth.
2) Bajra seeds are treated with brine solution for control of rust disease.
3) The disc plough is used for breaking hard pans in sub soil.
4) One crop/variety grown in pure stands at normal density is called solid planting.

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