MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester	**: I (New)**	**Term**	**: I**	**Academic Year**	**: 2015-16**
Course No.	**: AGRO 111**	**Title**	**: Principles of Agronomy**		
Credits	**: 2(1+1)**				
Day & Date	**: Wednesday, 09.12.2015**	**Time**	**: 10.00 to 12.00**	**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 soil fertility and explain in short the factors affecting soil fertility.

Q.3 What is tillage? State the objects of tillage.

Q.4 Enlist various methods of sowing and describe drilling method of sowing.

Q.5 What is soil tilth? Explain characteristics of good soil tilth and how soil tilth is measured.

Q.6 Define cropping system and explain its types with suitable examples.

Q.7 Define seed and describe in brief the good qualities of seed.

Q.8 Give classification of fertilizers with examples.

Q.9 What are the different methods of fertilizer application? Explain about placement method of fertilizer application.

Q.10 Write short notes (Any two).
1) Characteristics of good green manure crops.
2) Signs of maturity in cereals and pulses.
3) Factors affecting tillage

SECTION "B"

Q.11 Define the following terms.
1) Crop geometry 2) Weed
3) Zero tillage 4) Earthing up

Q.12 State True or False and correct the statement, if necessary.
1) Sunflower crop belong to malvaceae family.
2) Maharashtra state has been divided into nine broad agro-climatic zones.
3) Bajra seeds are treated with brine solution for control of ergot disease.
4) Imperial Agricultural Research Institute was started at Pusa in Bihar in 1934.

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