MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION
B.Tech. (Agril. Engg.)

Semester	: I (New)	Term : I	Academic Year : 2014-15
Course No.	: AG 111	Title : Agronomy	
Credits	: 2(1+1)		
Day & Date	: Monday, 08.12.2014	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 the term Agronomy and write in short its scope.

Q.2 Classify crops on the basis of agronomic use with suitable example.

Q.3 State various objectives of tillage.

Q.4 Define the term cropping system and write in short about mixed cropping.

Q.5 Describe the role of water in plant.

Q.6 Write in short about cultivation aspect of Wheat on following points.
1) Soil and climate   2) Seed and sowing
3) Varieties   4) Harvesting and yield

Q.7 Write in short cultivation aspects of Maize on following points.
1) Economic importance   2) Seed and sowing
3) Manure and fertilizer requirement   4) Harvesting and Yield

Q.8 Write in short about cultivation aspects of Groundnut on following points.
1) Economic importance   2) Varieties
3) Weed management   4) Harvesting and yield

Q.9 Write in detail about seed treatment in Cotton and Sugarcane.

Q.10 Write in short about cultivation aspects of Chickpea on following points.
1) Soil and climate   2) Manure and fertilizer application
3) Seed and sowing   4) Harvesting and yield

SECTION "B"

Q.11 Fill in blanks.
1) The botanical name of sorghum is _____.
2) Soybean contain _____ per cent protein.
3) The loss of water from aerial part of the plant in to the atmosphere is called _____.
4) The force of attraction binds the molecule of the same kind is _____.

Q.12 Define the following terms.
1) Weed   2) Scheduling of irrigation   3) Tillage   4) Herbicide

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