

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 112	Title	: Horticulture		
Credits	: 2(1+1)				
Day & Date	: Tuesday, 09.12.2014	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 Horticulture and give the scope of horticultural crops.
- Q.2 Enlist different methods of planting systems and explain in brief square system.
- Q.3 What is kitchen gardening? Give the advantages of kitchen garden.
- Q.4 Give the cultivation of Mango on the following points.
1) Soil and climate 2) Propagation 3) Varieties 4) Harvesting and yield
- Q.5 Explain the different criteria for selection of site for a fruit orchard.
- Q.6 Enlist different methods of irrigation and give the merits and demerits of sprinkler irrigation
- Q.7 Define training. Explain different methods of training of horticultural crops.
- Q.8 Describe the cultivation of Tomato on the following points.
1) Soil and climate 2) Seed rate and sowing
3) Manures and fertilizers 3) Harvesting and yield
- Q.9 Give the cultivation of Rose on the following aspects.
1) Soil and climate 2) Varieties 3) Propagation 4) Pruning
- Q.10 Give the flow sheet for the preparation of Tomato ketchup.

SECTION "B"

- Q.11 Fill in the blanks.
- 1) Aster belongs to the family _____.
 - 2) Botanical name of brinjal is _____.
 - 3) Application of fertilizers in standing crop is called _____.
 - 4) Banana is propagated by _____.
- Q.12 Match the following pairs.

"A"	"B"
1) Papaya	a) Bulb
2) Jelly	b) Grafting
3) Tuberose	c) Seed
4) Sapota	d) Pectin

