MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION
B.Sc.(Hons.) Agriculture

Semester	: **I (New)**	**Term**	: **I**	**Academic Year**	: **2017-18**
Course No.	: HORT 111				
Credits	: 2(1+1)	**Title**	: **Fundamentals of Horticulture**		
Day & Date	: Friday, 05.01.2018	**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 Define Horticulture. Write in detail scope of horticulture in India and Maharashtra. Explain better utilization of land and Government incentives.

Q.2 Enlist different climatic factors for growing fruit orchard and write in detail rainfall and light factors.

Q.3 Define plant propagation. Write merits and demerits of asexual (vegetative) propagation.

Q.4 Define training. Enlist objectives of training. Explain any two methods of training.

Q.5 Enlist different planting system of fruit orchard and explain any two of them.

Q.6 Write short notes (Any Two).
a) Medicinal and Aromatic plants
b) Types of seed dormancy
c) Botanical classification of fruit crops

Q.7 What is kitchen garden? Enlist the advantages of kitchen gardening and explain in detail the design of kitchen garden.

Q.8 What is lawn? Explain in detail the planting methods of lawn.

Q.9 Define unfruitfulness. Write down environmental causes for unfruitfulness.

Q.10 Enlist different methods of irrigation in fruit crops and explain Bed system and Drip irrigation system.

SECTION "B"

Q.11 Define the following terms.
1) Parthenocarpy
2) Pomolgy
3) Pruning
4) Hedge

Q.12 Complete the following table.

Sr.No.	Name of the crop	Botanical name	Family
1)	Cashew nut		
2)	Custard apple		
3)	Potato		
4)	Bitter gourd		

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