

B.Sc. 1st Semester (Honour's) Examination, 2021
FORESTRY

Course ID: 13503

Course Code: SH/FST/NR 1101

Course Title: *Introduction to Agronomy and Horticulture*

Time: 2 Hours

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable

I. Write a definition or one sentence answer any 10 of the following 1x10=10

1. Write two examples of CAM plants.
2. Define tillage.
3. How much elements are essential for plants growth and development?
4. Write botanical name of Mango.
5. Write two examples of pulses.
6. % potassium found in muriate of potash (MOP).
7. Sugarcane is a cash crop. **True or False**
8. French bean is a legume plant. **True or False**
9. Botanical name of tomato.
10. Mango belong to anacardiaceae family. **True or False**
11. Zero tillage conserves soil carbon. **True or False**
12. Write the name of two fruit crops that belong to the Rutaceae family.
13. 2,4-D is a herbicide as well as plant growth regulator. **True or False**
14. Botanical name of Ber (Indian jujube).
15. Rank of India in rice production.
a) 1st b) 2nd c) 3rd d) 4th

II. Write short note/ define any 10 of the following 2x10 =20

1. Agriculture
2. Pomology.
3. Difference between olericulture and floriculture
4. Kharif crop

5. Write benefits of Intercropping.
6. Write shortly on objectives of tillage.
7. Differences between mobile nutrients and immobile nutrients.
8. Integrated weed management
9. Difference between manures and fertilizers.
10. Differentiate between Agriculture and Horticulture
11. Importance of Water in plant growth and development.
12. Write down the objectives of Integrated weed management
13. Mechanical weed control.
14. Herbicide.
15. Write short note on bio-fertilizer.

III. Write down in brief any four (4) of the following.

5x4=20

1. Discuss the different irrigation system used for horticulture crops cultivation
2. Write principles, benefits and limitation of crop rotation.
3. Write short note on classification of major field crops in India with example.
4. Define horticulture. Importance of horticulture crops. Write short note on different type of training.
5. Write the criteria of essentiality of an element. Describe classification of essential element.
6. Write short note on organic manure. What is integrated nutrient management? Describe it shortly.