

III. Answer any *four* of the following questions 5×4=20

1. What is Mulching? Discuss the principles of organic farming
2. Describe different agro-climatic zones of West Bengal.
3. Define herbicide. Classify herbicides based on time of application with examples. What is active ingredient (a.i.)?
4. What is Terrestrial weed? Discuss four categories of aquatic weeds with examples.
5. What is crop rotation? Discuss the principles of crop rotation.
6. Discuss the advantages of crop rotation.

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B.Sc. 1st Semester (Honours) Examination, 2022-23

FORESTRY

COURSE ID: 13503 COURSE CODE: SH/FST/NR 1101

COURSE TITLE: Introduction to Agronomy and Horticulture

(New Syllabus)

Time : 2 Hours

Full Marks : 50

The figures in the right hand margin indicate full marks.

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

I. Write definition of any *Ten* questions : 1×10=10

1. Cole crops.
2. Define plantation crops.
3. Direct solar radiation is measured by which instrument?
4. Give an example of restorative crops.
5. What is Olericulture?

6. What is weed Example?
7. Give an example of wild fruit.
8. Write down the full form of ITK.
9. Write down the scientific name of Banana.
10. Give an example weeds.
11. Who is the father of tillage?
12. What is autotroph? Give an example.
13. Give examples of slow-release N fertilizer.
14. N.P.K stands for.
15. -----is known as king of spices.

II. Write short note/define any *Ten* of the followings :

2×10=20

1. Classify weed based on origin.
2. Why green Manuring is important?
3. Define Zero tillage and Ridge tillage.

4. Distinguish between Bulky organic manure and concentrated organic manure with examples.
5. Give examples of bio-fertilizers and bio-pesticides.
6. Give examples of highly mobile, moderately mobile, less mobile and immobile nutrients of plants.
7. Highlight the differences between grass and sedge with example.
8. Importance to Bio-fertilizer
9. Importance of water in plant growth.
10. Mention different types of layering.
11. Mention some varieties of mango and guava.
12. Mention the factors influencing the methods of herbicide application.
13. Mention the objectives of tillage.
14. What are the advantages of conservation tillage?
15. What are the differences between Primary tillage and Secondary tillage? Give example of Primary and Secondary tillage implements?