

**THREE YEAR B.VOCATIONAL DEGREE IN HORTICULTURE
DEGREE EXAMINATION, MAY - 2022**

CHOICE BASED CREDIT SYSTEM

THIRD SEMESTER

Part - II : Skill Component

Core Paper : I- Introduction to Soil Science

(Under CBCS New Regulation w.e.f. the academic year 2021-22)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer **All** of the following questions.

(5×2=10)

1. Soil air
2. Soil quality
3. Soil organic matter
4. Tillage
5. Soil testing.

SECTION - B

Answer any **three** of the following questions

(3×5=15)

6. Describe soil water and its significance.
7. Explain about water holding capacity and its role in the growth of the plants.
8. Write about soil microorganisms.
9. Describe Profile of the soil.
10. Write about the micronutrient fertilizers.

SECTION - C

(5×10=50)

Answer **All** of the following questions.

11. a) Give an account of organic and inorganic solids present in the soil.

(OR)

- b) Define soil and state importance as a natural body and its components in detail.

12. a) What is soil erosion and write about the steps to be taken for its control measures.

(OR)

- b) Give an account of soil texture, aggregates and structural components of soil.

13. a) Write about acidity, alkalinity, pH and salinity and its relations in the soil.

(OR)

- b) Explain C:N relations along with N and S transformation briefly.

14. a) Describe animal and plant wastes and the role of municipalities and industries management to produce by products from them.

(OR)

- b) Explain soil distribution and types of soil classification systems in detail.

15. a) What are soil fertility evaluation techniques and describe factors effecting soil fertility.

(OR)

- b) Define fertilizers and describe the production and use of slow and controlled, and realized fertilizers.
-

**THREE YEAR B.VOCATIONAL DEGREE IN HORTICULTURE DEGREE
EXAMINATION, MAY - 2022**

CHOICE BASED CREDIT SYSTEM

THIRD SEMESTER

PART - II : Skill Component

PAPER - II: Diseases of Horticulture Crops and their Management

(Under CBCS New Regulation w.e.f. the academic year 2021-22)

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer **All** of the following questions.

(5×2=10)

1. Sapota flat limb.
2. Peach leaf curl
3. Potato spindle tuber virus.
4. CMV
5. Chrysanthemum wilt.

SECTION - B

Answer any **Three** of the following questions.

(3×5=15)

6. Write about disease of Guava wilt and anthracnose.
7. Describe Crown gall and fire blight of apple diseases.
8. Explain about Damping off and die back disease symptoms in chilies.
9. Explain about disease of bean anthracnose and wilt
10. Write about the disease of Rose dieback and Crossandra wilt.

SECTION - C

Answer **All** of the following questions.

(5×10=50)

11. a) Explain symptoms and disease management of Citrus canker and gummosis.

(OR)

- b) Explain disease symptoms and management of beer powdery mildews and Foot rot of Papaya.

12. a) Describe downy and powdery mildews of grape vines in detail.

(OR)

- b) Give an account of Powdery mildews and scab in Apple.

13. a) Explain various diseases those are causing harm to the Tomatoes.

(OR)

- b) Write about the different diseases those are attacking to the Brinjal and Okra.

14. a) Describe club root and white rust in crucifer vegetables.

(OR)

- b) Explain downy and powdery mildew diseases in detail in cucurbits.

15. a) What are the different diseases of Turmeric and write about symptoms and their control in brief.

(OR)

- b) Describe stem bleeding, Ganoderma wilt and bud rot diseases of Coconut.
-

**THREE YEAR B.VOCATIONAL DEGREE IN HORTICULTURE DEGREE
EXAMINATION, MAY - 2022
CHOICE BASED CREDIT SYSTEM
THIRD SEMESTER**

PART - II : Skill Component

**Core Paper - III: Production Technology of Vegetable Crops
(Under CBCS New Regulation w.e.f. the academic year 2021-22)**

Time : 3 Hours

Max. Marks : 75

SECTION - A

Answer All of the following questions.

(5×2=10)

1. Nutritive values of vegetables.
2. Importance of Coriander.
3. Tapioca Importance.
4. Taxonomy of cauliflower.
5. Cluster bean varieties.

SECTION - B

Answer any Three of the following questions

(3×5=15)

6. Describe the importance of vegetable cultivation in Andhra Pradesh.
7. Write about Mentha diseases and control.
8. Explain Taxonomy and Morphology of Beet root.
9. Describe the Diseases of cabbage and control measures.
10. Give about Dolichos importance and its diseases.

SECTION - C

Answer All of the following questions.

(5×10=50)

11. a) Write an essay on areas and production of vegetables in India.

(OR)

- b) Write about exports and imports potential of vegetables in India and constrains of their production.

12. a) Give important varieties of Brinjal and its cultivation practices.

(OR)

- b) Write about the morphology of capsicum and its cultivation practices.

13. a) Give important varieties, diseases of Carrot and its cultivation practices.

(OR)

- b) Describe the importance of beetroot and its cultivation practices.

14. a) Give important varieties, taxonomy of Cabbage and its cultivation practices.

(OR)

- b) Write about the morphology of cauliflower and its cultivation practices.

15. a) Give an account of the cluster bean Taxonomy, harvesting and tis cultivation practices.

(OR)

- b) Write about the morphology, diseases of cowpea and its cultivation practices.
-