

SRI VENKATESWARĀ UNIVERSITY: TIRUPATI
4-Year UG HONOURS B.VOC. DEGREE COURSE IN HORTICULTURE

Under COCS W.E.F. 2023-2024

COURSE STRUCTURE

SEMESTER - 1

	Skills Gen. Edu	Courses	Title of Paper/Course and code	Credits per course	Hours/ week	Total Hours/ Course	Marks		
							Internal	External	Total
	General Education component Gen.Edu	Language	General English	3	4	60	25	75	100
2		Multidisciplinary	Indian History	2	2	30		50	50
		Skill Course	Analytical skills	2	2	30		50	50
4			Communication skills	2	2	30		50	50
5	Domain Skill component	Core-I	Principles of Horticulture Crops	4	4	60	25	75	100
6		Practical-I	Principles of Horticulture Crops	2	2	30		50	50
7			Fundamentals of Plant Physiology						100
8		Practical-II	Fundamentals of Plant Physiology	2	2	30		50	
9			Floriculture Management and Plant Pathology	4	4	60	25	75	100
		Practical 111	Floriculture Management and Plant Pathology	2	2	30		50	50
10		Industrial Internship	Industrial Training for 30 days	3	36	144		50	50
			Total Credits	30	Total Marks				750

SRI VENKATESWARA UNIVERSITY - TIRUPATI

Program: **B.A. /B.Sc. /B.Com** Honours in **GENERAL ENGLISH**

FIRST YEAR - I SEMESTER

(W.e.f. Academic Year 2023 - 24)

COURSE1:A COURSE IN COMMUNICATION AND SOFT SKILLS

Theory

Credits: 3

4hrs/week

Objectives & Outcomes

By the end of the course the learner will be able to:

- Understand the importance of listening and practice effective listening.
- Use grammar effectively for accuracy in writing and speaking.
- Use relevant vocabulary in everyday communication.
- Acquire ability to use Soft Skills in professional and daily life.
- Confidently use the skills of communication .

I. UNIT: Listening Skills

- a. Importance of Listening
- b. Types of Listening
- c. Barriers to Listening
- d. Effective Listening

II. UNIT: Phonetics

- a. Sounds of English: Vowels and Consonants
- b. Syllable
- c. Word Stress
- d. Intonation

III. UNIT: Grammar

- a. Concord
- b. Articles
- c. Prepositions
- d. Tenses
- e. Question tags

IV. UNIT: Speaking Skills

- a. Greetings & Introduction
- b. Asking and Giving Information
- c. Yes, We Can - Barack Obama
- d. Agreeing/Disagreeing
- e. A Leader Should Know How to Manage Failure- Dr. A.P.J. Abdul Kalam

V. UNIT: Soft Skills

- a. SWOC
- b. Attitude
- c. Emotional Intelligence
- d. Netiquette
- e. Interpersonal Skills

References:

1. Soft Skills, Dr. Alex (New Delhi: S. Chand & Company Ltd) 2009.
2. Interpersonal Skills Training, Philip Burnard (New Delhi: Viva Books Private Ltd)
3. Soft Skills for Everyone, Jeff Butterfield (New Delhi: Cengage Learning India Pvt Ltd) 2012
4. Emotional Intelligence, Daniel Goleman (London: Bloomsbury Publishing) 1996
5. A Text Book of English Phonetics for Indian Students, Balasubramanian
6. A Hand book for English Language Labor, E. Suresh Kumar, P. Sreehari
7. Communication Skills (2nd Edition), Sanjay Kumar & Pushpa Lata, Oxford University Press, 2016.

Activities:

Make the students listen to news concepts

Watch interviews and speeches on YouTube

Role plays on formal and informal conversations.

SRI VENKATESWARA UNIVERSITY: TIRUPATI

Four Year B.A. /B.Sc. /B.Com Degree Examination

Model Question Paper

Choice Based Credit System (w.e.f.2023-2024)

Semester – I

COURSE 1: A COURSE IN COMMUNICATION AND SOFT SKILLS

Time: 3 Hrs.

Max. Marks: 75

Section-A

I. Answer any Three of the following Questions (3X5=15)

1. What are the barriers to effective listening?
2. What is the difference between active and passive listening?
3. List three qualities of a good listener.
4. What are the factors that affect the listening process?
5. Write a note on the types of listening.

II. Answer any Three of the following Questions. (3X5=15)

1. Attempt a classification of Diphthongs with examples.
2. Write an essay on accent and rhythm in connected speech.
3. Attempt a classification of consonants with examples.
4. Write an essay on Word Accent/Word Stress.
5. Define syllable with suitable examples.

III. Attempt the following questions: (2X1=2)

(a) Concord

- (i) Neither Ajay nor Akshay _____ coming to the party.
- (ii) Sunil, along with his sister _____ going to school.

(b) Fill in the blanks with suitable Articles: (2X1=2)

- (i) Suresh is _____ MLA from Tirupathi.
- (ii) _____ European visited the temple yesterday.

(c) Fill in the blanks with suitable prepositions: (3X1=3)

- (i) Park the car _____ the road.
- (ii) The teacher asked students _____ open the text book.
- (iii) The government should look _____ the orphans.

(d) Fill in the blanks with appropriate forms of the verbs given in brackets: (5X1=5)

- (i) She _____ a book in the library(Read).
- (ii) They _____ to school tomorrow. (Go)
- (iii) Farhan _____ Raju at the market. (Meet)
- (iv) The boys _____ playing in the part when it rained. (Play)
- (v) The examinations _____ to April. (Postpone)

(e) Add question tags to the following statements. (3X1=3)

- (i) Ravi is invited to the party, _____?
- (ii) The boys aren't attending classes now a days, _____?
- (iii) Don't make a noise, _____?

IV. Answer any Three of the following Questions

(3X5=15)

1. Give two ways of agreeing with a person and two ways of disagreeing.
2. You are attending a meeting/seminar at 7 p.m. How do you greet the people in the meeting?
3. What do's and don'ts should we follow while seeking information from a stranger?
4. What was the theme of the speech "Yes, We Can"?
5. What are Kalam's views on success and failure in this interview?
6. How do you manage success and failure, according to APJ Abdul Kalam?

V. Answer any Three of the following Questions

(3X5=15)

1. What are the advantages of SWOT/SWOC analysis for students?
2. What is positive thinking? Why are people negative?
3. Why is emotional intelligence important for students/employees?
4. What are the ten commandments of Computer/Internet Etiquettes?
5. Why are interpersonal skills important?
6. What are Interpersonal Skills? Discuss The Importance of Interpersonal Skills

SRI VENKATESWARA UNIVERSITY - TIRUPATI

MULTIDISCIPLINARY COURSE

w.e.f. AY 2023-24

SEMESTER-I

INDIAN HISTORY

Credits: 2

2 hrs/week

Learning Outcomes:

After successful completion of this course, the student will be able to:

- Students will have an overall understanding of Indian history and culture from ancient to modern India.
- Learn about the changes in society, economy, politics, and culture under various dynasties.
- Know mediaeval Indian history and culture.
- Understand the greatness of the Mughals and their administration.
- Visualise how the Europeans are settled and how the colonials introduce various economic policies and their impacts.
- Know the stages of the Indian Freedom Struggle and the roles of Gandhi and Subash Chandra Bose.

Syllabus:

Unit-I

Ancient Indian History and Culture: What is History-Evolution of Man-Science and Technology in Harappan Civilisation-Vedic Literature- Difference between Jainism and Buddhism Philosophy-Ashoka Dhamma Policy-Science and Technology in Gupta Period- Chronology of Various Dynasties that ruled India (6th Century BC to 1206 CE)

Unit-II

History and Culture of Medieval India: Delhi Sultanate: Rulers (Brief), Alla-Ud-Din-Khilji and Muhammad-Bin-Tuglaq Reforms-Greater Mughals (Brief)-Mughal Administration-Akbar Religious Policy-Mughal Art and Architecture-Bhakti Saints

Unit-III

History of Modern India: European Settlements-British Revenue Policies-Economic Impact of British Rule-Socio-Religious Reform Movements-Causes for 1857 Revolt-Indian Freedom

Struggle: Vandemataram, Home Rule Movement-Gandhi's Role: Non-Cooperation Movements, Salt Satya Graha and Quit India Movement-Subash Chandra Bose-Partition of India.

Curricular Activities:

- Map-pointing/Collection of Historical news paper cuttings.
- Prepare a chart on Ancient, Medieval Dynasties and their rulers.
- Collect the various National Leaders photographs
- Prepare a list of Historical events in chronological order
- Unit Tests/Quiz/Debates/Workshops/Book Reviews/Seminars/Assignments.
- Collection of Articles and Books/Preparation of Videos/Charts
- Photos Exhibitions on Historical Importance/Visit to the Museums

References:

1. E.H. Carr., What is History, Penguin, 1961
2. R.S.Sharma., Ancient India, New Delhi, 1996
3. D.N.Jha, Ancient India: In Historical Outline, Manohar Publishers, 1999.
4. R.C.Majumdar, K.K.Dutta &H.C.Roy Chowdhuri (ed.), An Advanced History of India, Macmillan, 1948.
5. Romila Thapar., Early India: From the origins to 1300, University of California Press, 2004.
6. Ranabir Chakravarthi., Exploring Early India, upto 1300 A.D, Primus Books, 2016.
7. Satish Chandra., History of Medieval India, 800-1700, Oriental Blackswan, 2007.
8. Satish Chandra., Medieval India: From Sultanate to the Mughals, Part-I & II, Har Anand Publications, 2005.
9. I.H.Qureshi., The Administration of the Sultanate of Delhi, Oriental Books, 1977.
10. Harbans Mukhia., The Mughals of India, Wiley Publishers, 2008.
11. JhanF.Richards., The Mughal Empire, All Volumes, Cambridge University Press, 2012.
12. Sumit Sarkar., Modern India, Pearson India, 2014.
13. Śekhara Bandyopādhyāya.,From Plessey to Partition: A History of Modern India, Oriental Blackswan, 2004
14. V.D.Mahajan., Modern Indian History, S.Chand and Company Limited, 2020.
15. Bipan Chandra, A.Tripathi, Barunde., Freedom Struggle, National Book Trust, 1987.

16. R.C.Dutt., The Economic History of India Under Early British Rule, K.Paul, Trench, Trubner& Company Limited, 2008.
17. Tirthankar Roy., How British Rule Changed India's Economy: The Paradox of the Raj, Springer International Publishing, 2020.
18. S.N.Sen., An Advanced History of Modern India, Macmillan India, 2010.
19. Ishita Banerjee-Dube., A History of Modern India, Cambridge University Press, 2015

SRI VENKATESWARA UNIVERSITY – TIRUPATI

B.A./ B.Com./ B.Sc./B.C.A./ B.B.A.

LIFE SKILLS COURSES

w.e.f. AY 2023-24

SEMESTER-I

COURSE 3: ANALYTICAL SKILLS

Theory

Credits: 2

2 hrs/week

Course Objective: Intended to inculcate quantitative analytical skills and reasoning as an inherent ability in students.

Course Outcomes:

After successful completion of this course, the student will be able to;

1. Understand the basic concepts of arithmetic ability, quantitative ability, logical reasoning, business computations and data interpretation and obtain the associated skills.
2. Acquire competency in the use of verbal reasoning.
3. Apply the skills and competencies acquired in the related areas
4. Solve problems pertaining to quantitative ability, logical reasoning and verbal ability inside and out side the campus.

UNIT – 1:

Arithmetic ability: Algebraic operations BODMAS, Fractions, Divisibility rules, LCM & GCD (HCF).

Verbal Reasoning: Number Series, Coding & Decoding, Blood relationship, Clocks, Calendars.

UNIT – 2:

Quantitative aptitude: Averages, Ratio and proportion, Problems on ages, Time-distance – speed.

Business computations: Percentages, Profit & loss, Partnership, simple compound interest.

UNIT – 3:

Data Interpretation: Tabulation, Bar Graphs, Pie Charts, line Graphs. Venn diagrams.

Recommended Co-Curricular Activities

Surprise tests / Viva-Voice / Problem solving/Group discussion.

Text Book:

Quantitative Aptitude for Competitive Examination by R.S. Agrawal, S.Chand Publications.

Reference Books

1. Analytical skills by Showick Thorpe, published by S Chand And Company Limited, Ramnagar, New Delhi-110055
2. Quantitative Aptitude and Reasoning by R V Praveen, PHI publishers.
3. Quantitative Aptitude for Competitive Examination by Abhijit Guha, Tata Mc Graw Hill Publications.

SRI VENKATESWARA UNIVERSITY : TIRUPATI

Courses Offered for All Groups

LIFE SKILLS COURSES

w.e.f. AY 2023-24

SEMESTER-I

COURSE 4: COMMUNICATION SKILLS

Theory

Credits: 2

3 hrs/week

Course Objectives & Outcomes:

Upon the completion of the course the students will be able to:

- Understand the nature importance of communication.
- Learn the process involved in communication.
- Develop interview skills.
- Acquire presentation skills.
- Effectively play their roles in group discussions.
- Enhance the skills of public speaking.

Course Content:

UNIT-I

BASICS OF COMMUNICATION

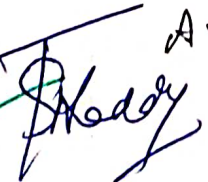
1. Nature and importance of communication
2. Process of Communication
3. Principles of communication
4. Barriers to effective communication

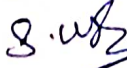
UNIT-II

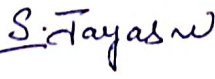
PRESENTATION SKILLS

1. Preparation of a good presentation
2. Verbal communication in presentation
3. Non-verbal communication in presentation


CHAIRPERSON
BOS (PASS) IN COMMERCE
S.V. UNIVERSITY
TIRUPATI

 A. Mahalingam

 S. V. Srinivas

 S. Jayasree

UNIT- III

INTERVIEWS AND GROUP DISCUSSIONS


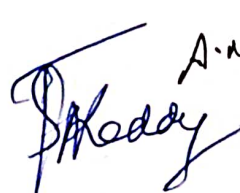

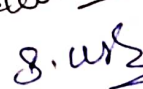
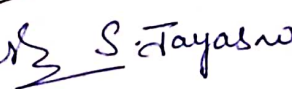
1. Interview and its types
2. Before, during and after an interview
3. Do's and Don'ts in an interview
4. Basic Interview questions

Recommended Activities:

- Presenting seminar papers.
- Mock interviews.
- Using Power point presentations in seminars.

References:

- Working in English, Jones, Cambridge
- Business Communication, Raman –Prakash, Oxford
- Speaking Personally, Porter-Ladousse, Cambridge
- Speaking Effectively, Jermy Comfort, et.al, Cambridge
- Anjanee Sethi & Bhavana Adhikari, Business Communication, Tata McGraw Hill
- Jermy Comfort, Speaking Effectively, et.al, Cambridge

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SRI VENKATESWARA UNIVERSITY : TIRUPATI

Courses Offered for All Groups

LIFE SKILLS COURSES

w.e.f. AY 2023-24

SEMESTER-I

COURSE 4: COMMUNICATION SKILLS

Model Question Paper

Time: 3 hrs

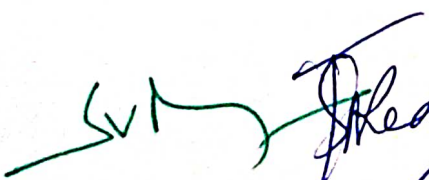
Max. Marks 50

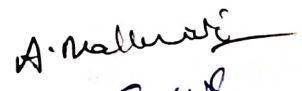
Answer any Five of the following

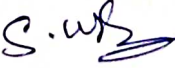
5 X 10=50 M

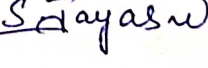
- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Note : Question Paper setter should set the Question paper as per Model Question paper Only. Questions should be covered in all Units equally.


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S.V. UNIVERSITY
TIRUPATI


A. Malleswari


S. V. S. Srinivas


S. Jayasw

SRI VENKATESWARA UNIVERSITY: TIRUPATI
B.VOC. DEGREE COURSE IN HORTICULTURE
FIRST YEAR - FIRST SEMESTER
Under CBCS W.E.F.2023 -2024
SKILL COMPONENT
Core Paper-I: PRINCIPLES OF HORTICULTURE CROPS

Learning outcome:

- After complete of these courses, students should be able to
- Understand the significance of horticulture, and know about botanical Names.
- Production in national and international level.
- Know about Definitions and science terminology of plants advantages and disadvantages of propagation
- Understand about Purpose of nurseries
- Know and understand about types of gardens
- Understand about significance and maintenance of lawn, plants
- Know about orchard cultivation
- Learn about types of culture, irrigation process etc.

UNIT - I

(12 h)

Definition, Scope, Importance and production of horticulture crops in national level, Branches of Horticulture and Classification of Horticultural Crops with botanical names and zones/areas of A.P & India, Research institutes of Horticulture in India and Andhra Pradesh, and nutritive values.

UNIT - II

(12 h)

Definition, scope, objectives, Classification of nursery, examples of nursery plants, components, establishment (location, climate and transport, site, soil, water, manure, labour etc.) and maintenance methods in horticulture. Definition and objectives of Soilless (Hydroponics /water) culture with examples.,

UNIT - III

(12 h)

Definition, scope, principle, importance of gardening, Formal and Informal Lawn and its Maintenance, Types of garden namely Hindu type gardens (vanams), natural garden, wild garden, Mughal garden, Persian garden, Italian garden, French garden, English garden, Japanese garden and popular gardens in India and special types of gardening(namely roof garden, sunken garden, vertical garden, terrace garden, water garden, bog garden, shade garden, rock garden, terrarium, bottle garden, window garden). Characteristics and importance of Lawn and types of lawn grass/&establishment and maintenance of lawn, Significance and utility of various plants (annuals, biennials and herbaceous perennials. Shrubs, trees, climbers and creepers, cacti and succulents, indoor plants, ornamental palms and bulbous plants etc.) in landscaping.

UNIT – IV

(12h)

Definition, scope and significance and classification of orchards/fruits, Objectives of Orchard floor Soil management, establishment (location, site, laying out, planning, Types and planting season, planting distance, High density of planting system, planting season, planting method and Transplanting) and cultivation of Orchards (Soil management, saving moisture organic farming) and production., Factors Influencing on Crop Production and rejuvenation of old orchards.

UNIT -V

(12

h)

Advantages of Clean

cultivation, sod culture and mulch, uses of herbicides, Inter cropping, cover crops, Nutrition management, Pruning and training (plant management), Plant protection against pests and diseases, Types of mulching, Weed management, Definition and types of irrigation management, Bearing habits fruiting, fruitfulness and causes of unfruitfulness, Maturity and harvest. Post harvest handling, utilization and marketing.

Books:

1. Chadha, K.L. 2001. Handbook of Horticulture, ICAR, New Delhi.
2. ZJitendra Singh, 2012. Basic Horticulture. Kalyani Publishers, New Delhi.
3. Randhawa, G.S. and Mukhopadhyaya, A. 1994. Floriculture in India. Allied Publishers Pvt. Ltd., New Delhi.
4. Kumar N. 1997. Introduction to Horticulture. Rajyalakshmi Publications, Nagorcoil, Tamilnadu.
5. Chattopadhyaya, P.K.2001. A Text Book on Pomology (Fundamental of fruit farming)

SKILL COMPONENT
w.e.f. AY 2023-2024
SEMESTER-I PRINCIPLES OF HORTICULTURE CROPS
MODEL QUESTION PEPAR

Time: 3 Hours

Max. Marks: 75

PART -A

Answer any FIVE questions, each question carries 5 marks. (5x5=25)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

PART – B

Answer **All** of the following Question. (5x10=50)

9. a)

Or

b)

10. a)

Or

b)

11. a)

Or

b)

12. a)

Or

b)

13. a)

Or

b)

SRI VENKATESWARA UNIVERSITY: TIRUPATI
B.VOC. DEGREE COURSE IN HORTICULTURE
FIRST YEAR FIRST SEMESTER
Under CBCS W.E.F. 2023-2024
SKILL COMPONENT
Practical Paper-I: PRINCIPLES OF HORTICULTURE CROPS

Hours: -30

Marks: 50

Credit: 02

- 1.Practicing of grafting method.
- 2.Practicing of budding method.
- 3.Types and methods of irrigation.
4. Collect and prepare Herbarium of various lawn grasses
(internet/natural/model).
5. Prepare the landscaping of Herbarium plants I (from internet/ natural/model)
- 6.Practicing model kitchen garden
- 7.Identification of various seeds.
- 8.Various types of nursery plants for growing of flowering, fruits, Vegetables etc.,
- 9.Visit to local Nurseries/ horticulture department/institutes/ any university

* Field Note book must be submitted at the time of Practical Examination

Scheme of valuation

Practical paper-I PRINCIPLES OF HORTICULTURE

Time: 3 h

Marks: 50

- | | |
|---|----------|
| 1.Explain the budding method | 7 marks |
| 2.Prepare the 10 herbarium plants and grass | 10 marks |
| 3.preparation of garden | 7 marks |
| 4.Establish and maintenance of Nursery for growing
of flower /fruits /vegetables | 10 marks |
| 5. Field note book | 6 marks |
| 6. Certified record | 10 marks |

SRI VENKATESWAR UNIVERSITY TIRUPATI
B.VOC. COURSE IN HORTICULTURE
FIRST YEAR FIRST SEMESTER
Under CBCS W.E.F.2023-2024
SKILL COMPONENT
Core Paper-II: FUNDAMENTALS OF PLANT PHYSIOLOGY

Learning outcome:

After complete of these courses, students should be able to be

- Understand about objectives of plant physiology
- Understand about relation water and plants
- Role of plants hormones
- Understand about differences between C3, C4, and CAM with examples.
- Learn about definitions, science terminology
- Understand about Seed dormancy
- Provide hands- on- experience

UNIT - I

(12 h)

Morphology of plant, Classification of plants and significance of plants, Differences between monocot and dicot plants., Definition, scope, objectives, importance of physiology.

UNIT - II

(12 h)

water relation in plants: Role of water in metabolism, Role of phloem and xylem water potential, osmosis, inhibition, diffusion and its components, Measurements of water potential in plants and absorption of water and Mechanism of absorption and ascent of sap., Signification mechanism of stomata, Osmotic pressure, guttation, stem bleeding, Definition and types, mechanism of transpiration and differences between translocation and transpiration, Factors affecting on transpiration.

UNIT – III

(12 h)

Definition, objectives, Classification of nutrition, Plant nutrition essential and mechanism of absorption, Role of Nutrients in plant metabolism and Hidden hunger (lack of vitamins and minerals), Sand/Soil culture and soilless culture (Hydroponics and aeroponics).

UNIT - IV

(14 h)

Structure and function of chloroplast and mitochondria, and Peroxisome, Dark and light reactions, cyclic and non-cyclic electron transfer, C3, C4and CAM metabolism and advantages. Differences between the C3 and C4 and CAM with examples and difference between Photosynthesis and Photorespiration.

UNIT - V

(10 h)

Photoperiodism — short, long and day neutral plants, Definition and classification of stress in plants (abiotic physical namely floods, drought, temperature, light and radiation and chemical I e pesticides, insecticides, heavy metals, pollution etc.), biotic (pest, diseases, weed, human activity etc.), Plant growth hormones namely Auxins, Gibberellins Cytokinins, Ethylene and Absciscic Acid., Definition, types of Seed dormancy and methods to overcome dormancy, and role of sprouts to human health., commercial applications of plant growth regulators.

SKILL COMPONENT
w.e.f. AY 2023-24
SEMESTER-I: FUNDAMENTALS OF PLANT PHYSIOLOGY
MODEL QUESTION PAPER

Time: 3 Hours

Max. Marks: 75

PART -A

Answer any FIVE questions, each question carries 5 marks.

(5x5=25)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

PART – B

Answer **All** of the following Question.

(5x10=50)

9. a)
- b)
10. a)
- b)
11. a)
- b)
12. a)
- b)
13. a)
- b)

Or

Or

Or

Or

Or

SRI VENKATESWAR UNIVERSITY TIRUPATI
B.VOC. COURSE IN HORTICULTURE
FIRST YEAR
Under CBCS W.E.F.
SKILL COMPONENT
Practical Paper-II: FUNDAMENTALS OF PLANT PHYSIOLOGY

1. Measurement of leaf area by different methods
2. Experiment to demonstration of transpiration
3. Estimation of photosynthetic pigments, i.e., paper chromatography
4. Identification of disorders nutrients of plants
5. Factors effecting on the seed germination (i.e., temperature, light and water, etc.,)
6. Role of plant growth hormones (Structure and significance)
7. Identification and Collection the nutrient deficiencies plant leaves for preparation of herbarium.

Scheme of valuation

Practical paper-II FUNDAMENTALS OF PLANT PHYSIOLOGY

Time: 3 h

Credits: 2

Marks: 50

- | | |
|---|----------|
| 1. Role of plant growth hormones (structure and significance.) | 7 marks |
| 2. Estimation of photosynthetic pigments, i.e., paper chromatography | 10 marks |
| 3. Measurement of leaf area by different methods | 7 marks |
| 4. Factors effecting on the seed germination (i.e., temperature, light and water, etc.) | 10 marks |
| 5. Study of morphology of any three plants namely related fruits, vegetables, flowers. | 6 marks |
| 6. Certified record | 10 marks |

References books

1. Plant physiology: Fundamentals and Applications: Arvindkumar and S.S. Purohit, Published by Agrobios (India) Methods of plant growth analysis:
2. R. Hunt Crop Physiology: U.S. Gupta Published by Oxford & IBH Publishing Co, New Delhi Plant Physiology by Salisbury, F. B. and Rose, C. W published by Cengage learning,

SRI VENKATESWARA UNIVERSITY: TIRUPATI
B.VOC. DEGREE COURSE IN HORTICULTURE
FIRST YEAR- FIRST SEMESTER
Under CBCS W.E.F. 2020-21
SKILL COMPONENT

Core Paper-III: FLORICULTURE MANAGEMENT AND PLANT PATHOLOGY

Hours: 60

Marks: 75

Credits: 04

Learning outcome:

After complete of these courses, students should be able to be

Understand the floriculture management

Know and Learn about plant pathology

Understand about causes of diseases in various crops.

UNIT - I (12 h)

Definition, Scope and Objectives of Andhra floriculture, Production of floriculture scenario in India and Pradesh, Export and import of flowers in India, Areas and varieties of flowers with botanical names. Classification of flowers (Based on flower colour, season of growing, purpose, mode of propagation etc.). Differences between cut and loose flowers with examples.

UNIT - II (12 h)

Taxonomy and identification of flowers varieties namely Rose, Chrysanthemum, Marigold, Jasmine, Carnation, Gladiolus, Orchids, Aster, Daisy, Anthurium, Tuberose, Crassandra, Lilium etc., Preparation of garlands, bouquets and Common leaves used in flower arrangements namely Cypress, Podocarpus, Asparagus, Palms, Cycads, Ferns, and Eucalyptus. of flowers varieties namely Rose, Chrysanthemums, Marigold,

UNIT – III (12 h)

Floriculture: Climate, Soil, varieties, Propagation methods, training and Pruning, Irrigation, harvest yields, production techniques of flower plants, Post harvest techniques of flowers and dehydration techniques for drying of flowers. Propagation tech

UNIT - IV (10 h)

History, Definition, scope and objectives of Plant Pathology, classification of plant pathology (Infection/biotic and non-infection/abiotic and mesobiotic) with examples.

UNIT - V (14 h)

Diseases management in vegetable crops (Tomato, Capsicum, Chili, Crucifers, Potato, Leafy vegetables, etc.), Diseases management in fruit crops (Mango, Citrus, Banana, Guava, Sapota, Papaya, Pomegranate, Apple etc.), Diseases management in floriculture (cut and loose). Biological control of horticultural crop diseases.

SKILL COMPONENT

w.e.f. AY 2023-24

SEMESTER-I: FLORICULTURE MANAGEMENT AND PLANT PATHOLOGY

MODEL QUESTION PAPER

Time: 3 Hours

Max. Marks: 75

PART -A

Answer any FIVE questions, each question carries 5 marks.

(5x5=25)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

PART – B

Answer **All** of the following Question.

(5x10=50)

9. a)

Or

b)

10. a)

Or

b)

11. a)

Or

b)

12. a)

Or

b)

13. a)

Or

b)

SRI VENKATESWARA UNIVERSITY: TIRUPATI
B.VOC. DEGREE COURSE IN HORTICULTURE
FIRST YEAR FIRST SEMESTER
Under CBCS W.E.F. 2023-2024
SKILL COMPONENT

Practical Paper-III: FLORICULTURE MANAGEMENT AND PLANT PATHOLOGY

Hours: 30

Marks: 50

Credits: 02

1. Different types of diseases in fruits crops (Collect the photos from natural/ download the figures)
2. Identification of diseases in Vegetables namely Tomato, Ladies finger, potato, brinjal, Cauliflower.
3. Taxonomy, identification and Description of commercial flowers (minimum 8)
4. Preparation of Bouquet and garlands
5. Visit to vegetable farm, Orchard farm and floriculture

Field Note book should be submitted at the time of university practical examination.

Scheme of valuation

Practical paper-III: FLORICULTURE MANAGEMENT AND PLANT PATHOLOGY

Time: 3 h

Credits: 2

Marks: 50

- | | |
|---|----------|
| 1. Preparation of Bouquet and garlands | 7 marks |
| 2. Different types of diseases in fruits crops (Collect the photos from natural/ download the figures.) | 10 marks |
| 3. Taxonomy, identification and Description of commercial flowers | 7 marks |
| 4. Identification of diseases in Vegetables namely Tomato, Ladies finger, potato, brinjal, Cauliflower | 10 marks |
| 5. Field note book | 6 marks |
| 6. Certified record | 10 marks |

References:

1. Bhattacharjee. S. K and Lakshman Sharda De.2003. Advanced commercial floriculture. Aavishar Publisher and Distributors, Jaipur
2. Bose, T.K., Yadav L.P., Pal. P, Parthasarathy, V.A and P. Das. 2003. Commercial flowers- Vol. I and II Second Revised Edition. Naya Udyog, Kolkata
3. Prasad, S. and U. Kumar, 2003. Commercial floriculture. Agrobios, Jodhpur
4. Roy, A. Larson 1992. Introduction of Floriculture International Book Distributing Company, Lucknow.
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6. Rangaswami G and Mahadevan A, Diseases of crop plant in India
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