

Certificate/ Diploma in Horticulture

Objectives:

To enable student to:

- 1) Acquire knowledge of Horticulture
- 2) Acquire knowledge of Fruit Science , Vegetable Science , Floriculture & Landscaping

Duration of the Course: Certificate: 6 months Diploma: 1 Year

Eligibility: Any student enrolled in the degree program of the college

Subjects covered under Certificate Course are Sr No. 1, 2 and 3	
Name of Paper	Credits
GC-HT-01T Horticulture I	06
GC-HT-02T Horticulture II	06
GC-HT-03P Practical and Project Work I	06
Subjects covered under Diploma Course are Sr No. 1, 2, 3, 4, 5 and 6	
GC-HT-04T Horticulture III	06
GC-HT-05T Horticulture IV	06
GC-HT-06P Practical and Project Work II	06 (Lab Only)

Horticulture I

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Section A

Unit I -Basics of Horticulture

- Importance and Scope of Horticultural Crops
- Current Scenario of Fruit Crops in India

Unit II -Fruit Science

- Nutritional Importance of Fruits
- Nutritional Deficiency and their Management.

Section B

Unit III -Vegetable Science

- Nutritional Importance of Vegetables; Nutritional Deficiency and their Management.
- Cultivation Practices of important Vegetables Crops.

Unit IV -Floriculture

- Importance and Scope of Flower Cultivation
- Present Status of Floriculture in India

Horticulture II

Total Marks:100
External Marks:70
Internal Marks:30
Credits:6
Pass Percentage:40%

Section A

Unit I -Basics of Horticulture

- Role of Horticulture in Diversification of Agriculture
- Current Scenario of Vegetable Crops in India

Unit II -Fruit Science

- Soil and Climatic requirement of Different Fruit Crops
- Climate Zones and Areas Suitable for Fruit Cultivation

Section B

Unit III -Vegetable Science

- Soil and Climate requirement for different Vegetable Crops
- Irrigation Requirement, Manuring and Fertilization, Weed Management

Unit IV -Floriculture

- Soil requirement for Floriculture
- Climate requirement for Floriculture

Practical and Project Work I

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Practical:

- 1) Identification of differed Horticulture crops
Max. Marks: 50
- 2) Identification and working of
Practical: 40
 - Nursery raising tools
Int.Ass.: 10
 - Farm Implements
Periods:4 hrs/ week
- 3) Sowing of seeds for raising nurseries and root stocks of Horticulture crops

Scheme of practical examination

Internal practical examination		40
Marks	Preparation	20
	marks	
I)	II) Identification	10
	marks	
	III) Submissionof practical record book	5
	marks	
	IV) Viva– Voce	5
	marks	

References:

- 1) ChadhaK L(2003) *HandbookofHorticulture*ICAR Publications .
- 2) Srivastava R P and Kumar S (2019) *Fruit and Vegetable Preservation*.3rd Edition ,CBSPublishers , New Delhi
- 3) FAO*FruitsandVegetableProcessing*.InternationalBookdistributingCo. Chammastudiobuilding, 2ndfloor, Charbagh,Lucknow-226004
- 4) RajD(2015) *Floricultureat aGlance*.KalyaniPublishers, NewDelhi.

Horticulture III

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Section A

Unit I - Elements of Horticulture

- Elements of Horticulture
- Branches of Horticulture

Unit II -Fruit Science

- Importance of Healthy Fruit Plants Nursery and their requirement for establishment
- Fruit Nutrition garden-layout and importance

Section B

Unit III - Vegetable Science

- Diseases of Vegetables and their management.
- Kitchen Gardening – suitable crops and varieties

Unit IV - Landscaping

- Different types of Landscaping
- Production and management of important trees, shrubs, climbers, pot plants, seasonal flowers and perennials

Horticulture IV

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Section A

Unit I - Challenges of Horticulture

- Major Challenges of Fruits Crops
- Major Challenges of Vegetables Crops

Unit II - Fruit Science

- Cultivation practices of important fruit crops – soil and climate requirement, varieties, irrigation requirements.
- Manuring and fertilization, weed management, training and pruning; harvesting and post-harvest handling of fruits

Section B

Unit III -Vegetable Science

- Harvesting and maturity indices
- Post-harvest handling and processing

Unit IV -Landscaping

- Basic Planning and principles of Landscaping
- Vertical Gardening

Practical and Project Work II

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Practical:

- 1) Methods of propagation Horticulture crops
Max. Marks: 50
- 2) Layout and methods of establishment of orchards
Practical: 40
- 3) Training and pruning of Horticulture crops
Int. Ass.: 10
- 4) Identification of deficiency symptoms and physiological disorder
Periods: 4 hrs / week

Scheme of practical examination

Internal practical examination	40 marks
V) Preparation	20marks
VI) Identification	10marks
VII) Submission of practical record book	5marks
VIII) Viva- Voce	5marks

References:

- 1) Mehta S and Yadav A (2017) *Treasure of Fruit Science* , New Vishal Publication ,NewDelhi
- 2) Thamburaj S N (2014) *Textbook of Vegetables , Tuber crops and Spices* . ICARPublication
- 3) Singh U and Kumar S (2005) *Glimpses of Post-Harvest Technology* . 2nd RevisedEdition, New Vishal Publication , NewDelhi

CERTIFICATE/ DIPLOMA IN FASHION DESIGNING

Objective: The course aims to provide fashion designers a clear perspective on creativity and its application in innovative fashion design.

Duration of the Course:

Certificate: 6 months

Diploma: 1 Year

Eligibility: Any student enrolled in the degree program of the college.

Subjects covered under Certificate Course are Sr No. 1, 2 and 3	
Name of Paper	Credits
GC-FD-01P Pattern Making & Draping	06 (Lab Only)
GC-EM-02T Fashion Illustration and Fashion Concepts GC-EM-02P Fashion Illustration and Fashion Concepts Lab	06 (4Th +2 lab)
GC-EM-03P Garment Construction & Surface Ornamentation	06 (Lab Only)
Subjects covered under Diploma Course are sr. no.1, 2, 3, 4, 5 and 6	
GC-EM-04P Fashion Illustration	06 (Lab Only)
GC-EM-05T Fundamentals of Textile GC-EM-05P Fundamentals of Textile Lab	06 (4Th +2 lab)
GC-EM-06P CAD in Fashion	06 (Lab Only)
GC-EM-07P Project	06

PATTERN MAKING AND DRAPING (PRACTICAL)

Total Marks: 100

External: 70

Internal: 30

Credits: 6

Pass: 40%

Objectives: To impart knowledge about: i) Different aspects of pattern making. ii) Commercial pattern making.

Section A

UNIT: I

1. Preparation of the basic pattern for the following:
 - i) Female bodice block & sleeve block,
 - ii) Childs bodice block & sleeve block.
2. Introduction to draping:
 - i) Basic block – front & back.
 - ii) Skirt – front & back
 - iii) Bodice variation: princess line, cowl neck line.

UNIT:II

3. Adaptation of the following sleeves:
 - i) Set in sleeves: Puff, Petal, and Cap sleeve, Leg‘o’ mutton, Cowl, Dolman.
 - ii) Extended bodice: Magyar, Kimono
 - iii) Part bodice in-sleeve: Saddle, Raglan
4. Basic skirt block-circular, Gored skirt, skirt with yoke.

Section B

UNIT:III

5. Adaptation of the following collars:
 - i) Sailor, Cape and Peter Pan collar, Stand & Fall, Mandarin, Convertible, Shawl.
 - ii) Cowl and Built Up Neckline

UNIT: IV

6. Dart manipulation by:
 - i) Slash and Spread Method.
 - ii) Pivot Method.
7. Dart manipulation into:
 - i) Single dart series.
 - ii) Two dart series.
 - iii) Multiple dart series.
 - iv) Princess and Empire line.
 - v) Yokes.

FASHION ILLUSTRATION AND FASHION CONCEPTS

Total Marks: 100
External: 70
Internal: 30
Credits: 4
Pass: 40%

INSTRUCTIONS FOR THE PAPER SETTER /EXAMINER:

The syllabus prescribed should be strictly adhered to.

1. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
2. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
3. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
4. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

1. Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C.
2. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

1. Definition: Fashion, fad, style, classic fashion, trends, mass fashion, high fashion.
2. Theories of fashion adoption.
3. Fashion cycle & factors affecting it.

Section-B

1. Fashion forecasting.
2. Elements of design and principles related to clothing.
3. Factors affecting clothing choices for different age groups.

FASHION ILLUSTRATION AND FASHION CONCEPTSLAB

Total Marks: 100

External Marks: 70

Internal Marks: 30

Credits: 2

Pass Percentage: 40%

Instruction for the paper setters:

- i) Three questions to be set.
- ii) Internal choice may be given.

Objectives: To enable students to understand:

- i) Figure sketching.
- ii) Illustration techniques for various fashion details.

UNIT:I

1. Color wheel
 - i) Color schemes: Complementary, Analogous and Monochromatic.
 - ii) Intensity and Value chart.

UNIT:II

2. Basic block figure.
 - i)Fleshing of blockfigure.
 - ii)Fashion figure in different poses.

UNIT:III

3. Fashion details: Gathers, Frills and Flounces, Tucks, Shirring, Smoking, Embroidery, Appliqué Work, Patch Work, Pleats.

UNIT:IV

4. Designing kids wear by taking inspiration from various sources.
5. Style read the design; suggesting suitable fabric and layout.
 - i) A-line frock.
 - ii) Formal wear.
 - iii) Nightwear.

GARMENT CONSTRUCTION & SURFACE ORNAMENTATION

TotalMarks:100
ExternalMarks:70
InternalMarks:30
Credits:6
PassPercentage:40%

Objectives: To impart knowledge about: i) Various construction techniques. ii) Applying these techniques in garment construction

Section A

UNIT: I

1. Making samples of:
Handstitches
 - i. Even, uneven, diagonal tacking.
 - ii. Visible, invisible hemming
 - iii. Backstitch
 - iv. Blanket stitch
 2. Machine seams
 - i. Plain seam
 - ii. Run'n'fell
 - iii. French seam
 3. Counter seam Plackets
 - i. Two piece
 - ii. One piece
 - iii. Zip placket
 4. Pockets
 - i. Patch pocket
 - ii. Cross pocket
 5. Sleeves
 - i. Plain
 - ii. Puff
 - iii. Petal
 - iv. Magyar
 6. Saddle Collars
 - i. Peterpan
 - ii. Cape collar
 - iii. Sailor collar
- Necklines
- i. round neckline with binding
 - ii. Vneck line with shaped facing

UNIT:II

- Needle Craft
- i) Basic 10 stitches.
 - ii) Patchwork and Quilting
 - iii) Appliqué
 - iv) Smocking

- Dyeing And Printing
- i) Screen printing
 - ii) Stencil printing
 - iii) Fabric painting

Section B

UNIT:III

Construction of following garments

I Kids Wear i. A-Line ii. Party wear iii. Nightwear II Salwar-kameezii. Sari blouse

UNIT:IV

Construction of following garments

- i. Ethnicwear
- ii. Westernwear
- iii. Trousers

FashionIllustration

Total Marks:100

External Marks:70

Internal Marks:30

Credits:6

Pass Percentage:40%

Objectives:To enable students to understand: i) Figure sketching. ii) Illustration techniques for various garment details.

SectionA

1. Creating different fabric texture using different colour medium and techniques: Denim, Nets, Chiffon, Velvet, Fur, Corduroy, Satin.

2. Illustration of figure with dresses: Casual wear, Sports wear, Beach wear, Night wear, Party wear, Bridal wear, Ethnic wear, Western wear.

SectionB

3. Designing jewellery for casual and formal wear. (3 sheets each). Accessories- Shoes, Bags, Purses, Belts, Hats. (3 sheets each)

4. Designing women wear by taking inspiration from various sources: Style read the design, suggest the suitable fabric and layout. i)Salwarkameez.ii)Sariblouse.iii)Ethnicwear iv)Western wear(formal) vi) Trousers

Fundamentals of Textile

TotalMarks:100

ExternalMarks:70

InternalMarks:30

Credits:4

PassPercentage:40%

Section A

Unit-I

1. Introduction to textile and its importance in fashion design.
2. Classification of textile fiber

Unit-II

3. Textile fibers: properties & manufacture of (a)Natural: Cotton, Linen, Silk, Wool.
(b)Man-made: Acetate, Nylon, Spandex

Section B

Unit-III

4. Classification of yarns (a)Simple, (b)novelty, (c)bulk.
5. Fabric construction (a)Felting, (b)bonding, (c)weaving, (d)knitting

Unit-IV

6. Traditional fabrics of different states of India. a)Kashmir-shawls b)Bengal-baluchar, jamdani c)UP-brocades d)Gujarat-patola e)Rajasthan-bandhani f)Andhra Pradesh-pocchampali/ kalamkari g)MadhyaPradesh-Chanderi.

Fundamentals of Textile Lab

Total Marks:100

External Marks:70

Internal Marks:30

Credits:2

Pass Percentage:40%

1. To develop one sample each for the following Traditional Embroideries i) Phulkari, ii)Kantha iii)Kashmiri iv) Chikankar v) Kathiawar vi) Chamba Rumal vii)Kasuti
2. Dyeing and Printing i)Tie & Dye ii)Batik iii)Blockprinting iv)ScreenPrinting v)fabricpainting
3. Incorporate atleast one technique in a garment

CAD in Fashion

TotalMarks:100

ExternalMarks:70

InternalMarks:30

Credits:6

PassPercentage:40%

Objectives:To impart knowledge about: i)Coreldraw and Photopaint. ii) CAD based application in fashion designing.

Section A

UNIT-I

1. i)Introduction to computers. ii)Using internet.

UNIT-II

2. Corel Draw
 - i) Study tools in detail.
 - ii) Create a composition: Geometrical,Abstract.
 - iii) Create prints: Traditional, Nursery, Floral.
 - iv) Create texture: Denim, Leather, Corduroy, Net.
 - v) Draw three profiles of female figure (front,back,three-fourth).

Section B

UNIT-III

3. Photopaint i)Study tools in detail. ii)Draping simulation.

UNIT-IV

4. Corel Draw: Design ten sheets of female wear; working on different activities. (casual, sporty, ethnic, western, executive, night, formal, gown.)

Project

Total Marks:100

External Marks:70

Internal Marks:30

Credits:6

Pass Percentage:40%

1. Visit to fashion house/ Export house/ Boutique/ Textile industry.
2. Designing and construction of Two female dresses.

References:

1. Elaine Stone, "The Dynamic of Fashion", Fairchild Publications (2008).
2. Craik, J., "The Face of Fashion", New York: Routledge, 1994.
3. Frings G.S. (1982), "Fashion from concept to consumer", Prentice Hall Inc., Englewood cliffs, New Jersey.
4. Flugel, J., "The Psychology of Clothes", London: Hogarth Press.
5. Brathes, R., "The Fashion System", New York: Hill and Wang, Farrar, Straus and Giroux
6. Baker E, Loui A and Punchcard V (1976) Complete Guide to Sewing. The Reader's Digest Association Inc, New York.
7. Doongaji and Deshpande R (1991) Basic Process of Clothing Construction. Raj Park Ashan, New Delhi.
8. Mullick PL (2002) Garment Construction Skills. Kalyani Publishers, New Delhi.
9. Bride M Whelan, "Color Harmony", Rockfort Publishers, 1992.
10. Goldstein, "Art in Everyday Life", IBH Publishing Co, Calcutta, 1992.

**CERTIFICATE COURSE IN CREATIVE WRITING
AND CONTENT DEVELOPMENT**

Course Objectives: Certificate course in Creative Writing and Content Development has been designed to meet the following objectives:

- e) To introduce learners to the basic concepts of creative writing and Content development skills.
- f) To make them understand the writing process.
- g) To sensitize them to the various styles and techniques of writing and editing.
- h) To hone learners' imagination
- i) To nourish their creative and critical faculty.

Learning Outcome: After completion of course students will be equipped with:

1. The basic concepts of creative writing and content development
2. The knowledge of various styles and techniques of writing and editing
3. The polished creative and critical faculties
4. Better opportunities of employability

Duration of course: 6 Months

Eligibility: Any student enrolled in degree program of college

Code	Course	Credits
Paper-I	Creative Writing	6
Paper-II	Content Development	6
Paper-III	Project	4
Total		16

Detailed Syllabus (Paper wise Distribution)

Paper-I: Creative Writing

Max. Marks: 100

External: 70

Internal: 30

Pass: 40%

Credits: 6

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

Fundamentals of Creative Writing: Meaning and Significance of Creative Writing; Genres of Creative Writing: poetry, fiction, non-fiction, drama and other forms.

Section-B

Elements of Creative Writing: Plot, Setting, Character, Dialogue, Point of View; Literary Devices and Figurative Language; Elements of Style; Grammar and the Structure of Language; Proof Reading and Editing

Paper-II: Content Development

Max. Marks: 100

External: 70

Internal: 30

Pass: 40%

Credits: 6

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Basics of Content Development: The Concept of Content Writing and its relevance, Role and Functions of Content Writers

Types of Content writing: The process of Content Writing, Editing and Proof-Reading, Writing Styles; Types of Content writing-Print and web content development.

Plagiarism: Meaning and concept, Types of Plagiarism, rules on plagiarism; How to develop plagiarism-free content; T to check plagiarism, Copyright issues

Paper-III: Project

Submit a Project based on the contents covered in the theory paper I or Paper II (Platforms like Blogs, Podcasts can be used to create and present your ideas and imagination)

Recommended Books

1. Bell, Julia and Magrs, Paul. The Creative Writing Course-Book. London: Macmillan, 2001.
2. Bailey, Tom. On Writing Short Stories. USA: OUP, 2010. Print. Morley, David. The Cambridge
3. Companion to Creative Writing. Pune: Cambridge University Press India Ltd., 2012. Print.
4. Clark, Peter Roy. Writing Tools. USA: Hachette Book Group, 2008. Print.
5. Davidson, Chad. Writing Poetry: Creative and Critical Approaches. USA: Palgrave Macmillan, 2009. Print.
6. Earnshaw, Steven (Ed). The Handbook of Creative Writing. Edinburgh: EUP, 2007
7. Field, Syd. The Screen Writer's Problem Solver. New York: Random House Publishing, 1998. Print.
8. Kundera, Milan. The Art of the Novel. London: Harper Perennial Modern Classics, 2003. Print.
9. Lajos, Egri. The Art of Dramatic Writing. USA: Merricat Publications, 2009. Print.
10. Spiro, Jane. Creative Writing Poetry. USA: Oxford University Press, 2004. Print.

Web Resources:

<https://www.entrepreneur.com/article/247908>

<https://www.locationrebel.com/b2b-writing/>

<https://wordpress.com/support/prevent-content-theft/>

<https://blog.unisquareconcepts.com/content-writing/what-is-plagiarism-why-is-itimportant-for-blog-writing/>

<https://www.mindler.com/blog/how-to-become-a-content-writer-in-india/>

<https://www.clearvoice.com/blog/10-types-content-writers-use/>

https://study.com/articles/What_is_a_Content_Writer.html

CERTIFICATE/DIPLOMA IN ORGANIC FARMING

Objectives:

- 1) To create awareness about organic farming.
- 2) To familiarize with organic crop management practices, organic standards and certification

Duration of the Course:

Certificate:6 months

Diploma: 1 Year

Eligibility:

Any student enrolled in the degree program of the college.

Subjects covered under Certificate Course are Sr No. 1,2 and 3	
Name of Paper	Credits
GC-OF-01T Organic Farming -I	06
GC-OF-02T Organic Farming-II	06
GC-OF-03P Practical and Project-I	06
Subjects covered under Diploma Course are Sr No. 1,2,3,4,5 and 6	
GC-OF-04T Organic Farming-I	06
GC-OF-05T Organic Farming-II	06
GC-OF-06P Practical and Project-II	06

Organic Farming I

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

Unit I -Agronomy - Organic farming- concept, characteristics, significance, organic ecosystem, scope of organic farming in India

- Principles and types of organic farming

Unit II - Soil Science

- Organic farming for sustainable agriculture; Manures- compost, methods of composting
- Green manuring, **vermicompost** and biofertilizer

Section-B

Unit III - Fundamental of organic farm management

- Land management in organic farming
- Water management in organic farming

Unit IV - Post harvest management

- Processing, labeling of organic produce
- Storage and transport of organic produce

Organic Farming II

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

Unit I - Agronomy

- Choice of crops & varieties in organic farming
- Initiative by Govt/NGOs/Other organizations for promotion of organic farming

Unit II - Soil Science

- Harmful effect of non-judicious chemical fertilization
- Organic farming practices for improving soil health

Section-B

Unit III - Fundamental of organic farm management

- Organic insect disease management
- Organic pest disease management

Unit IV - Post harvest management

- Organic Quality control standards
- Certification- types, process & procedure and agencies

Practical and Project I

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Practical:

- 1) Field visit of organic farming
Max. Marks: 50
- 2) Seed and seed treatment
Theory: 40
- 3) Preparation of Farm Yard Manure (FYM) & compost
Int. Ass.: 10
- 4) Water management in organic agricultural
Periods: 4 hrs. / week

Scheme of practical examination

Internal practical examination	40 marks
I) Preparation	20 marks
II) Identification	10 marks
III) Submission of practical record book	5 marks
IV) Viva – Voce	5 marks

References:

- 1) Palaniappan S.P and Annadurai K (2010) Organic Farming Theory and Practice Ist Edition Scientific Publishers, Rajasthan
- 2) Bansal M (2018) Basics of Organic Farming. CBS Publishers and Distributors Pvt Ltd, New Delhi
- 3) Sheaffer C and Moncada K (2012) Introduction to Agronomy : Food , Crops and Environment IInd Edition , Cengage Learning Publishers , Boston , U.S
- 4) Das K.D (2015) Introductory Soil Science 4th Edition , Kalyani Publishers , New Delhi
- 5) Mahender G P , Singh H, Kumar V. and Singh N (2018) Botanicals in Insect Pest Management , Anu Books , New Delhi

Organic Farming III

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

Unit I - Agronomy

- Operational structure of NPOP (National Programme for Organic Production)
- Concept of dryland agronomy

Unit II - Soil Science

- Quality parameters of organic manures and specifications
- Soil fertility in organic farming systems

Section-B

Unit III - Fundamental of organic farm management

- Preventive and cultural methods for insects and pest control
- Identification of different fungal and bacterial biocontrol agents

Unit IV - Post harvest management

- Quality aspect and grading
- Packaging and handling

Organic Farming IV

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER:

1. The syllabus prescribed should be strictly adhered to.
2. The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 10 marks each. The candidates will attempt two questions from each section.
3. Section C will have fifteen short answer questions covering the entire syllabus. Each question will carry 3 marks. Candidates will attempt any ten questions from this section.
4. The examiner shall give a clear instruction to the candidates to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.
5. The duration of each paper will be three hours.

INSTRUCTIONS FOR THE CANDIDATES:

Candidates are required to attempt any two questions each from the sections A and B of the question paper and any ten short questions from Section C. They have to attempt questions only at one place and only once. Second or subsequent attempts, unless the earlier ones have been crossed out, shall not be evaluated.

Section-A

Unit I - Agronomy

- Organic nutrient resources & their fortification, restriction to nutrient use in organic farming

- Organic production methods for cereals, vegetables and fruit crops

Unit II - Soil Science

- Manure preparation methodology

- Soil improvement

Section-B

Unit III - Fundamental of organic farm management

- Indigenous technical knowledge for insects-pest, disease
- Weed and nutrient management in organic farming

Unit IV - Post harvest management

- Economic considerations and viability of organic products
- Export of organic product and marketing

Practical and Project II

Total Marks: 100
External Marks: 70
Internal Marks: 30
Credits: 6
Pass Percentage: 40%

Practical :

- 1) Crop planning & management in organic agriculture
Max. Marks : 50
- 2) Identification of different fungal and bacterial biocontrol agents
Theory : 40
- 3) Application of manures and composts
Int. Ass. : 10
- 4) Preparation of plant protection inputs
: 4 hrs / week
- 5) Application of plant protection inputs

Periods

Scheme of practical examination

Internal practical examination		40
I)	Preparation marks	20
	II) Identification marks	10
	III) Submission of practical record book marks	5
	IV) Viva – Voce marks	5

References :

- 1) Reddy S R(2019) Fundamentals of Agronomy Kalyani Publications, Uttar Pradesh
- 2) Tolanur S (2018) Fundamentals of Soil Science IInd Edition , CBS Publishers , New Delhi
- 3) Reddy S R (2017) Principles of Organic Farming Kalyani Publishers , New Delhi
- 4) Dongarjal R.P. and Zade S.B(2019) Insect Ecology and Integrated Pest Management Akinik Publications , New Delhi

CERTIFICATE COURSE IN GST FILING AND PRACTICE

Objective:

The programme's mission is to broaden the horizon of the learners with a deeper understanding of the GST law and its e filing in the new digital environment and equip them with a new set of tools to help them digitally create and file GST returns.

Programme Duration: six months to two years

Eligibility: (10+2) or its equivalent are eligible to apply.

Learning outcomes:

1. Develop a detailed understanding in the students of law and practice of Goods and Services Tax and the application of its provisions.
2. Develop a detailed understanding in the students of documents, records, books of accounts and tax returns, and the requirements for the payment of Goods and Services Tax using computer hardware and software packages.

Programme Structure

Course No.	Course Title	Credit
CCGST1	GOODS AND SERVICE TAX LAW AND PRACTICES	6
CCGST2	GST TAX ACCOUNTING, DOCUMENTATION AND E-FILING AT GST PORTAL	6
CCGST3	PROJECT REPORT	6
	Total Credit	18

CCGST1: GOODS AND SERVICE TAX LAW AND PRACTICE

MAX. MARKS: 100

EXTERNAL: 70

INTERNAL: 30

PASS: 40%

Credits: 6

Objective:

Develop a detailed understanding in the students mind regarding law and practice of Goods and Service Tax and the application of its provisions in a business set-up.

SECTION A

Unit I GST IN INDIA–A Synopsis, Background, Concept of GST, Definitions and related terminologies.

Unit II Supply under GST and related provisions.

Unit III Charge of GST and relevant Definitions.

Unit IV EXEMPTIONS FROM GST: Goods exempt from tax,

Unit V Services exempt from tax.

SECTION B

Unit VI TIME AND VALUE OF SUPPLY :Its related definitions and provisions.

Unit VII INPUT TAX CREDIT: Definitions, Introductions to ITC and related provisions.

Unit VIII REGISTRATION: Persons liable for registration, Relevant procedures for the registrations and workings at GST portal in this regards.

Unit IX TAX INVOICE, CREDIT AND DEBIT NOTES: Knowledge about the Tax invoice, Credit notes, Debit notes, Revised Tax Invoice, Receipt Vouchers and other specified documents in the act.

Unit X RETURNS: Knowledge in respect of filing of GST returns at Portal.

Suggested Readings:

1. Ahuja, Girish and Gupta, Ravi. *Systematic Approach to GST*. Wolters Kluwer
2. Sekhon, Shailinder., *GST....Unlocking the complexities of Indirect taxes*. Published by Sumirat publication and Bookman, New delhi.
3. Bansal, K. M., *GST & Customs Law*, Taxman Publication.
4. Mehrotra H.C. and Agarwal, V.P. *Goods and Services Tax and Customs*. Sahitya Bhawan Publications.
5. Saha, R.G. Shah, Divyesh and Devi, Usha. *Goods and Service Tax*. HPH
6. Datey, V. S. *All about GST, A Complete Guide to Model GST Law*. Taxman Publications

CCGST2 GST TAX ACCOUNTING, DOCUMENTATION AND E-FILING AT GST PORTAL

MAX. MARKS: 100
EXTERNAL: 70
INTERNAL: 30
PASS: 40%
Credits: 6

Objective:

Develop a detailed understanding in the students mind regarding documents, records, books of accounts and tax returns, and the requirement for the payment of Goods and Service Tax using computer hardware and software packages in a business set-up.

SECTION A

Unit I Accounting Concepts. Maintenance of accounting records, Double Entry System,

Unit II Accounting Process leading to Preparation of Journal, Subsidiary Books , Ledger,

Unit III Trial Balance and final accounts.

Unit IV Knowledge regarding content of Tax invoice. Retail invoice, Credit notes, Debit notes, Receipt vouchers etc.

Unit V Knowledge of financial statements like Balance Sheet, Trading and Profit and Loss Account. Documentation related to filing of GST returns.

SECTION B

Unit VI Knowledge of Form GST REG-06, GSTR1, GSTR2A, GSTR2B, GSTR3B, Form GST CMP – 08, Form GST PMT –06 Payment Challan, DRC03,

Unit VII Relevant offline tools on GST portal.

Unit VIII Working knowledge of GST portal like new registration and amendments of core and non-core fields,

Unit IX Ledgers balances at portal, Return Dashboard, e-way bill system, Payments, User Services and Annual Return Form No 9.

Unit X Verification of input tax credit system from portal vis a vis books of accounts and its adjustments.

Suggested Readings:

1. Babbar, Sonal, Kaur, Rasleen and Khurana, Kritika. *Goods and Service Tax (GST) and Customs Law*. Scholar Tech Press.
2. Chheda, Rajesh. *Learn Tally. ERP 9 with GST and E-way Bill: Ane's Student Education*
3. Gupta, ineet and Gupta, N. K. *Fundamentals of Goods and Services Tax*. Bharat Law House Pvt. Ltd.
4. Gupta, S.S. *Taxman's GST New Returns How to Meet Your Obligations -A Practical Guide for filing of New GST Returns*. Taxman Publication.
5. Gupta, S.S. *GST- How to Meet your Obligations*. Taxman Publications
6. Murthy, K. Ch. A. V. S. N. Lavanya, K. V. N. and Lakshmi, V. D. M. V. *Theory and Practice of Goods and Services Tax*, Telugu Academy, Hyderabad.
7. Singhania, Aditya. *Taxman's GST New Returns with e-Invoicing-A Comprehensive Guide to New GST Returns*. Taxman Publication.
8. Singhania V. K. *GST & Customs Lax*, Taxman Publication
9. Sisodia Pushpendra, *GST Law*. Bharat Law House.
10. GST Laws - *The Central Goods and Services Tax, 2017; The Constitution (One hundred and First Amendment) Act, 2016; The Goods and Services Tax (Compensation to States) Act, 2017; The Integrated Goods and Services Tax, 2017; The Union Territory Goods and Services Tax, 2017*

CCGST3 PROJECT REPORT

Credits: 6

- (1) Every candidate will be assigned a project topic and project mentor/ guide in order to get the practical exposure about GST law and practice in India.
- (2) Project guide would be from academics, industry or profession etc.
- (3) Every candidate will submit a project report. The detailed guidelines of the project will be provided separately.
- (4) Such a project report will be evaluated by external examiner to be appointed by the university.