

**KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN
(AUTONOMOUS), THANJAVUR – 613 007**

**DEPARTMENT OF BOTANY
MINUTES FOR UG INTERNAL BOARD OF STUDIES
2025-26**

The Internal Board of Studies in Botany was commenced at 10.30 A.M. on 15th July 2025 at Department of Botany to finalize the NM Syllabus for the students admitted from 2023-24 onwards respectively. The following suggestions were incorporated.

In the academic year 2025-26, III semester, NM course entitled **Foundation of Digital Marketing (23K3NM)** was newly introduced. For this course, 2 hours were taken from SEC5 (23K3SEC5) and 2 credits were added. In addition to that, Herbal Technology (23K3NMOB) was added as an Optional paper for NM course as NMO.

In the academic year 2025-26, V semester, NM course **Career Skill Enhancement and Employability Readiness Part 1 (23K5NM)** was newly introduced. For this, 1 hour is taken from CC X-Plant Anatomy and Embryology (23K5B10) similarly 1 hour is taken from CC XII- Cell Biology, Genetics and Plant Breeding (23K5B12). For this course, 2 credits were given as per the instruction given by TANSCH. A new course **Food Preparation and preservation (23K5NMOB)** was introduced as a NM Optional paper.

MEMBERS OF BOARD OF STUDIES

FACULTY MEMBERS

1. Dr. R. Sagaya Giri,
Chairman,
H.O.D & Associate Professor in Botany
2. Dr. V. Latha,
Associate Professor in Botany
3. Dr. N. Karthika,
Associate Professor in Botany
4. Dr. G. Subasri,
Associate Professor in Botany
5. Dr. M. Boominathan,
Assistant Professor in Botany


15/7/25


15/7/25


15/7/25


15/7/25

6. Dr. A. Pauline Fatima Mary,
Guest Lecturer in Botany

Paul
15/7/25

7. Dr. S. Beatrice Florence Febronia,
Guest Lecturer in Botany

S. Beatrice
15/7/25

8. Dr. K. Tamilselvi,
Guest Lecturer in Botany

K. Tamilselvi
15/7/25

9. Dr. R. Senthilkumar,
Guest Lecturer in Botany

R. Senthilkumar
15/7/25

10. Dr. S. Gandhimathi,
Guest Lecturer in Botany

S. Gandhimathi
15/7/25

11. Dr. M. Revathy,
Guest Lecturer in Botany

M. Revathy
15/7/25

HEAD OF THE DEPARTMENT

Dr. S. Senthilkumar
15/7/25
PRINCIPAL / IC

KUNTHAVAI NAACCHIYAAR GOVERNMENT ARTS COLLEGE FOR WOMEN
(AUTONOMOUS), THANJAVUR – 613 007

DEPARTMENT OF BOTANY
MINUTES FOR PG INTERNAL BOARD OF STUDIES
2025-26

The Internal Board of Studies in Botany was commenced at 10.30 A.M. on 15th July 2025 at Department of Botany to finalize the Syllabus for the students admitted to M.Sc., course from 2023-24 onwards.

The board felt that the existing syllabus is sufficient for PG level. This syllabus will be continued for the forthcoming academic year in the present form.


15/7/2025

HOD

Dr.R.SAGAYA GIRI, M.Sc., B.Ed., PGDBI., Ph.D.,
Associate Professor & Head,
Department of Botany,
K.N.Government Arts College for Women,
Thanjavur-613 007.


15/07/2025
PRINCIPAL

MEMBERS OF BOARD OF STUDIES

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15/7/2025


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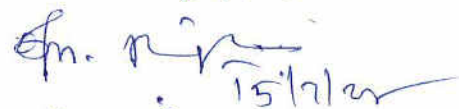

15/7/25

8. Dr. K. Tamilselvi,
Guest Lecturer in Botany
9. Dr. R. Senthilkumar,
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10. Dr. S. Gandhimathi,
Guest Lecturer in Botany
11. Dr. M. Revathy,
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Head of the Department

Dr. R. SAGAYA GIRI, M.Sc., B.Ed., PCDBI, Ph.D.,
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Principal 15/7/25



Kunthavai Naacchiyaar Govt. Arts College for Women (Autonomous), Thanjavur - 7.

B.Sc., BOTANY Course Structure under CBCS

(For the candidates admitted from the academic year 2023 - 2024 Onwards)

I B.Sc., Botany (2025-26)

Seme ster	Part	Course	Subject Code	Title of the Paper	Inst. Hrs.	Cre dit	Exam Hrs.	Marks		Total
								Int.	Ext.	
I	Part I	LC I	23K1T1	Language –Tamil Paper I	6	3	3	25	75	100
	Part II	ELC I	23K1E1	English– Paper I	6	3	3	25	75	100
	Part III	CC I	23K1B01	Plant Diversity I –Algae	5	5	3	25	75	100
		CCH (P)	23K1B02P	Practical - I Covering Core Course I	3	3	3	25	75	100
		EC 1	23K1B/CHECZ1:1	Elective Zoology I	4	4	3	25	75	100
			23K1B/CHECZ1:2	Radiation Biology						
		EC 2 (P)		Elective Zoology Lab	2	-	-	-	-	-
	Part - IV	SEC 1	23K1BSEC1	Nursery and Landscaping	2	2	3	25	75	100
		Foundation Course FC	23K1BFC	Basics of Botany	2	2	3	25	75	100
	Total				30	22				700
II	Part I	LC 2	23K2T2	Language –Tamil Paper II	6	3	3	25	75	100
	Part II	ELC 2	23K2E2	English– Paper II	6	3	3	25	75	100
	Part III	CC III	23K2B03	Plant Diversity II – Fungi, Bacteria, Viruses, Plant pathology and Lichens	5	5	3	25	75	100
		CCIV (P)	23K2B04P	Practical - II Covering Core Course III	3	3	3	25	75	100
		EC 2 (P)	23K2B/CHECZ2P	Elective Zoology Practicals	2	2	3	25	75	100
		EC 3	23K2B/CHECZ3:1	Allied: Zoology Paper II	4	3	3	25	75	100
			23K2B/CHECZ3:2	Agricultural Entomology						
	Part IV	SEC 2	23K2BSEC2	Mushroom cultivation	2	2	3	25	75	100
		SEC 3	23K2BSEC3	Botanical garden and landscaping	2	2	3	25	75	100
	Total				30	23				800

III	Part I	LC 3	23K3T3	Language –Tamil – Paper III	6	3	3	25	75	100
	Part II	ELC 3	23K3E3	English– Paper III	6	3	3	25	75	100
	Part III	CCV	23K3B05	Plant Diversity III - Bryophytes and Pteridophytes	5	5	3	25	75	100
		CC VI (P)	23K3B06P	Practical - III Covering Core Course V	3	3	3	25	75	100
		EC 4	23K3B/P/ZECCH4:1	Elective Chemistry - I	4	4	3	25	75	100
			23K3B/P/ZECCH4:2	Chemistry for Physical and Biological Sciences - I						
		EC 5 (P)		Volumetric and Organic Analysis Practicals	2	-	-	-	-	-
	Part IV	SEC 4 (Entrepreneurial Skill)	23K3BSEC4	*Entrepreneurial Skill Entrepreneurial Opportunities in Botany	1	1	3	25	75	100
		SEC 5	23K3BSEC5	Herbal Technology	2	2	3	25	75	100
		EVS		Environmental studies	1	-	-	-	-	-
		ECC 1	23K3BECC1:1	Biofertilizers and Biopesticides	-	3	3	-	-	100
			23K3BECC1:2	MOOC						
		ECC 2	23K3BECC2	Add on course*	-	4	-	-	-	-
	Total				30	21				700
IV	Part I	LC 4	23K4T4	Language –Tamil – Paper IV	6	3	3	25	75	100
	Part II	ELC 4	23K4E4	English– Paper IV	6	3	3	25	75	100
	Part III	CCVII	23K4B07	Plant Diversity IV - Gymnosperms, Paleobotany and Evolution	4	4	3	25	75	100
		CC VIII (P)	23K4B08P	Practical - IV Covering Core Course VII	3	3	3	25	75	100
		EC 5 (P)	23K4B/P/ZECCH5P	Volumetric and Organic Analysis Practical	2	2	3	25	75	100
		EC 6	23K4B/P/ZECCH6:1	Elective Chemistry - II	4	3	3	25	75	100
			23K4B/P/ZECCH6:2	Chemistry for Physical and Biological Sciences - II						
	Part IV	SEC 6	23K4BSEC6	Fermentation technology	2	2	3	25	75	100
		SEC 7	23K4BSEC7	Environmental impact analysis	2	2	3	25	75	100
		EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100
		ECC 3	23K4BECC3:1	Seaweed Technology	-	3	3	-	-	100
			23K4BECC3:2	MOOC						
	Total				30	24				900

*Road map for SEC4: Workshop on Entrepreneurship with hands-on training special lectures by experts/industrialists on entrepreneurial schemes and funding available from Central/State Government

V	Part III	CC IX	23K5B09	Plant Morphology, Taxonomy and Economic Botany	6	5	3	25	75	100
		CC X	23K5B10	Plant Anatomy and Embryology	6	5	3	25	75	100
		CC XI (P)	23K5B11P	Practical - V Covering Core Courses IX, X and XII	6	5	3	25	75	100
		CC XII	23K5B12	Cell Biology, Genetics and Plant Breeding	6	4	3	25	75	100
		Elective course EC 7	23K5BECB7:1	Bio-Analytical Techniques	4	3	3	25	75	100
			23K5BECB7:2	Computer Application in Botany						
	Part IV	VE	23K5VE	Value Education	2	2	3	25	75	100
			23K5I	Summer Internship/Industrial Training	-	2	-	-	-	-
	Total				30	26				600
VI	Part III	CC XIII	23K6B13	Plant Ecology and Phytogeography	7	6	3	25	75	100
		CC XIV	23K6B14	Plant Physiology and Biochemistry	7	6	3	25	75	100
		CC XV (P)	23K6B15P	Practical – VI Covering Core Courses XIII and XIV	7	6	3	25	75	100
		Elective Course EC 8	23K6BECB8:1	Horticulture	6	3	3	25	75	100
			23K6BECB8:2	Entrepreneurial Botany						
	Part IV	SEC 8 Professional Competency Skill	23K6BSEC8	Botany for Competitive examinations	2	2	3	25	75	100
		GS	23K6GS	Gender Studies	1	1	3	25	75	100
	Part V		23K6EA	Extension activity	-	1	-			
	Total				30	25				600
	Grand Total				180	141				4300


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B.Sc., BOTANY Course Structure under CBCS

(For the candidates admitted from the academic year 2023 - 2024 Onwards)

II B.Sc., Botany (2025-26)

Seme ster	Part	Course	Subject Code	Title of the Paper	Inst. Hrs.	Cre dit	Exam Hrs.	Marks		Total
								Int.	Ext.	
I	Part I	LC I	23K1T1	Language –Tamil Paper I	6	3	3	25	75	100
	Part II	ELC I	23K1E1	English– Paper I	6	3	3	25	75	100
	Part III	CC I	23K1B01	Plant Diversity I –Algae	5	5	3	25	75	100
		CCII (P)	23K1B02P	Practical - I Covering Core Course I	3	3	3	25	75	100
		EC 1	23K1B/CHECZ1:1	Elective Zoology I	4	4	3	25	75	100
			23K1B/CHECZ1:2	Radiation Biology						
		EC 2 (P)		Elective Zoology Lab	2	-	-	-	-	-
	Part - IV	SEC 1	23K1BSEC1	Nursery and Landscaping	2	2	3	25	75	100
		Foundation Course FC	23K1BFC	Basics of Botany	2	2	3	25	75	100
	Total				30	22				700
II	Part I	LC 2	23K2T2	Language –Tamil Paper II	6	3	3	25	75	100
	Part II	ELC 2	23K2E2	English– Paper II	4	3	3	25	75	100
	Part III	CC III	23K2B03	Plant Diversity II – Fungi, Bacteria, Viruses, Plant pathology and Lichens	5	5	3	25	75	100
		CCIV (P)	23K2B04P	Practical - II Covering Core Course III	3	3	3	25	75	100
		EC 2 (P)	23K2B/CHECZ2P	Elective Zoology Practicals	2	2	3	25	75	100
		EC 3	23K2B/CHECZ3:1	Allied: Zoology Paper II	4	3	3	25	75	100
			23K2B/CHECZ3:2	Agricultural Entomology						
	Part IV	SEC 2	23K2BSEC2	Mushroom cultivation	2	2	3	25	75	100
		SEC 3	23K2BSEC3	Botanical garden and landscaping	2	2	3	25	75	100
		NM	23K2NM	Overview of English Language Communication	2	2	-	25	75	100
		NMO	23K2NMOB	Medicinal Botany						
	Total				30	25				900

III	Part I	LC 3	23K3T3	Language –Tamil – Paper III	6	3	3	25	75	100	
	Part II	ELC 3	23K3E3	English– Paper III	6	3	3	25	75	100	
	Part III	CCV	23K3B05	Plant Diversity III - Bryophytes and Pteridophytes	5	5	3	25	75	100	
		CC VI (P)	23K3B06P	Practical - III Covering Core Course V	3	3	3	25	75	100	
		EC 4	23K3B/P/ZECCH4:1	Elective Chemistry - I	4	4	3	25	75	100	
			23K3B/P/ZECCH4:2	Chemistry for Physical and Biological Sciences - I							
		EC 5 (P)		Volumetric and Organic Analysis Practicals	2	-	-	-	-	-	
	Part IV	SEC 4 (Entrepreneurial Skill)	23K3BSEC4	*Entrepreneurial Skill Entrepreneurial Opportunities in Botany	1	1	3	25	75	100	
		NM	23K3NM	Foundation of Digital Marketing	2	2	-	25	75	100	
		NMO	23K3NMOB	Herbal Technology							
		EVS		Environmental studies	1	-	-	-	-	-	
		ECC 1	23K3BECC1:1	Biofertilizers and Biopesticides	-	3	3	-	-	100	
			23K3BECC1:2	MOOC							
		ECC 2	23K3BECC2	Add on course*	-	4	-	-	-	-	
	Total				30	21				700	
	IV	Part I	LC 4	23K4T4	Language –Tamil – Paper IV	6	3	3	25	75	100
		Part II	ELC 4	23K4E4	English– Paper IV	6	3	3	25	75	100
		Part III	CCVII	23K4B07	Plant Diversity IV - Gymnosperms, Paleobotany and Evolution	4	4	3	25	75	100
			CC VIII (P)	23K4B08P	Practical - IV Covering Core Course VII	3	3	3	25	75	100
EC 5 (P)			23K4B/P/ZECCH5P	Volumetric and Organic Analysis Practical	2	2	3	25	75	100	
EC 6			23K4B/P/ZECCH6:1	Elective Chemistry - II	4	3	3	25	75	100	
			23K4B/P/ZECCH6:2	Chemistry for Physical and Biological Sciences - II							
Part IV		SEC 5	23K4BSEC5	Fermentation technology	2	2	3	25	75	100	
		SEC 6	23K4BSEC6	Environmental impact analysis	2	2	3	25	75	100	
		EVS	23K4EVS	Environmental Studies	1	2	3	25	75	100	
		ECC 3	23K4BECC3:1	Seaweed Technology	-	3	3	-	-	100	
			23K4BECC3:2	MOOC							
Total				30	24				900		
*Road map for SEC4: Workshop on Entrepreneurship with hands-on training special lectures by experts/industrialists on entrepreneurial schemes and funding available from Central/State Government											

V	Part III	CC IX	23K5B09	Plant Morphology, Taxonomy and Economic Botany	6	5	3	25	75	100
		CC X	23K5B10	Plant Anatomy and Embryology	6	5	3	25	75	100
		CC XI (P)	23K5B11P	Practical - V Covering Core Courses IX, X and XII	6	5	3	25	75	100
		CC XII	23K5B12	Cell Biology, Genetics and Plant Breeding	6	4	3	25	75	100
		Elective course EC 7	23K5BECB7:1	Bio-Analytical Techniques	4	3	3	25	75	100
			23K5BECB7:2	Computer Application in Botany						
	Part IV	VE	23K5VE	Value Education	2	2	3	25	75	100
Total					30	26				600
VI	Part III	CC XIII	23K6B13	Plant Ecology and Phytogeography	7	6	3	25	75	100
		CC XIV	23K6B14	Plant Physiology and Biochemistry	7	6	3	25	75	100
		CC XV (P)	23K6B15P	Practical – VI Covering Core Courses XIII and XIV	7	6	3	25	75	100
		Elective Course EC 8	23K6BECB8:1	Horticulture	6	3	3	25	75	100
			23K6BECB8:2	Entrepreneurial Botany						
	Part IV	SEC 7 Professional Competency Skill	23K6BSEC7	Botany for Competitive examinations	2	2	3	25	75	100
		GS	23K6GS	Gender Studies	1	1	3	25	75	100
	Part V		23K6EA	Extension activity	-	1	-			
	Total				30	25				600
	Grand Total				180	143				4400



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B.Sc., BOTANY Course Structure under CBCS

(For the candidates admitted from the academic year 2023 - 2024 Onwards)

III B.Sc., Botany (2025-26)

Seme ster	Part	Course	Subject Code	Title of the Paper	Inst. Hrs.	Cre dit	Exam Hrs.	Marks		Total
								Int.	Ext.	
I	Part I	LC I	23K1T1	Language –Tamil Paper I	6	3	3	25	75	100
	Part II	ELC I	23K1E1	English– Paper I	6	3	3	25	75	100
	Part III	CC I	23K1B01	Plant Diversity I –Algae	5	5	3	25	75	100
		CCII (P)	23K1B02P	Practical - I Covering Core Course I	3	3	3	25	75	100
		EC 1	23K1B/CHECZ1:1	Elective Zoology I	4	4	3	25	75	100
			23K1B/CHECZ1:2	Radiation Biology						
		EC 2 (P)		Elective Zoology Lab	2	-	-	-	-	-
	Part - IV	SEC 1	23K1BSEC1	Nursery and Landscaping	2	2	3	25	75	100
		Foundation Course FC	23K1BFC	Basics of Botany	2	2	3	25	75	100
	Total				30	22				700
II	Part I	LC 2	23K2T2	Language –Tamil Paper II	6	3	3	25	75	100
	Part II	ELC 2	23K2E2	English– Paper II	4	3	3	25	75	100
	Part III	CC III	23K2B03	Plant Diversity II – Fungi, Bacteria, Viruses, Plant pathology and Lichens	5	5	3	25	75	100
		CCIV (P)	23K2B04P	Practical - II Covering Core Course III	3	3	3	25	75	100
		EC 2 (P)	23K2B/CHECZ2P	Elective Zoology Practicals	2	2	3	25	75	100
		EC 3	23K2B/CHECZ3:1	Allied: Zoology Paper II	4	3	3	25	75	100
			23K2B/CHECZ3:2	Agricultural Entomology						
	Part IV	SEC 2	23K2BSEC2	Mushroom cultivation	2	2	3	25	75	100
		SEC 3	23K2BSEC3	Botanical garden and landscaping	2	2	3	25	75	100
		NM	23K2NM	Language Proficiency for Employability	2	2	-	25	75	100
		NMO	23K2NMOB	Medicinal Botany						
	Total				30	25				900

V	Part III	CC IX	23K5B09	Plant Morphology, Taxonomy and Economic Botany	6	5	3	25	75	100
		CC X	23K5B10	Plant Anatomy and Embryology	5	5	3	25	75	100
		CC XI (P)	23K5B11P	Practical - V Covering Core Courses IX, X and XII	6	5	3	25	75	100
		CC XII	23K5B12	Cell Biology, Genetics and Plant Breeding	5	4	3	25	75	100
		Elective course EC 7	23K5BECB7:1	Bio-Analytical Techniques	4	3	3	25	75	100
			23K5BECB7:2	Computer Application in Botany						
	Part IV	VE	23K5VE	Value Education	2	2	3	25	75	100
		NM	23K5NM	Career Skill Enhancement and Employability Readiness Part 1	2	2	-	25	75	100
		NMO	23K5NMOB	Food preparation and Preservation						
			23K5I	Summer Internship/Industrial Training	-	2	-	-	-	-
Total					30	28				700
VI	Part III	CC XIII	23K6B13	Plant Ecology and Phytogeography	7	6	3	25	75	100
		CC XIV	23K6B14	Plant Physiology and Biochemistry	7	6	3	25	75	100
		CC XV (P)	23K6B15P	Practical – VI Covering Core Courses XIII and XIV	7	6	3	25	75	100
		Elective Course EC 8	23K6BECB8:1	Horticulture	6	3	3	25	75	100
			23K6BECB8:2	Entrepreneurial Botany						
	Part IV	SEC 6 Professional Competency Skill	23K6BSEC6	Botany for Competitive examinations	2	2	3	25	75	100
		GS	23K6GS	Gender Studies	1	1	3	25	75	100
	Part V		23K6EA	Extension activity	-	1	-			
	Total				30	25				600
	Grand Total				180	145				4500


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K. N. Govt. Arts College (W) Autonomous, Thanjavur-7.
M.Sc., Botany - Course Structure under CBCS
For the candidates admitted from the academic year 2023 – 2024 onwards)

Seme ster	Part	Course	Subject Code	Title of the Paper	Inst · Hrs.	Cre dit	Exa m. Hrs	Marks		Total
								Int.	Ext.	
I	III	CC I	23KP1B01	Plant Diversity – I: Algae, Fungi, Lichen and Bryophytes	7	5	3	25	75	100
		CC II	23KP1B02	Plant Diversity – II: Pteridophytes, Gymnosperms and Paleobotany	7	5	3	25	75	100
		CC III (P)	23KP1B03P	Laboratory Course –I: Covering core papers- I and II	6	4	3	25	75	100
		EC I	23KP1BECB1:1	Mushroom Cultivation	5	3	3	25	75	100
			23KP1BECB1:2	Conservation of natural resources and policies						
		EC II	23KP1BECB2:1	Horticulture	5	3	3	25	75	100
			23KP1BECB2:2	Herbal Technology						
TOTAL					30	20		140	360	500
II	III	CC IV	23KP2B04	Plant Taxonomy of Angiosperms and Economic Botany	6	5	3	25	75	100
		CC V	23KP2B05	Plant Anatomy and Embryology of Angiosperms	6	5	3	25	75	100
		CC VI	23KP2B06P	Laboratory Course –II: Covering core papers- IV & V	6	4	3	25	75	100
		EC III	23KP2BECB3:1	Research Methodology & Computer Applications	4	3	4	25	75	100
			23KP2BECB3:2	Biopesticide Technology						
		EC IV	23KP2BECB4:1	Applied Bioinformatics	4	3	3	25	75	100
			23KP2BECB4:2	Biostatistics						
	IV	SEC I	23KP2BSEC1	Agriculture and Food Microbiology	4	2	3	25	75	100
		ECC 1	23KP2BECC1:1	Green House Technology	-	3	3	-	100	100
			23KP2BECC1:1	MOOC		3				
		ECC 2	23KP2BECC2	Add on Course *	-	4	-	-	-	-
TOTAL					30	22		165	435	600

III	III	CC VII	23KP3B07	Plant Physiology and Plant Metabolism	6	5	3	25	75	100
		CC VIII	23KP3B08	Genetics, Plant Breeding and Biostatistics	6	5	3	25	75	100
		CC IX	23KP3B09P	Laboratory course – III Covering Core Papers VII &VIII	6	5	3	25	75	100
		CC X	23KP3B10	Industrial Botany	6	4	3	25	75	100
		EC V	23KP3BECB5:1	Applied Plant Cell and Tissue Culture	3	3	3	25	75	100
			23KP3BECB5:2	Silviculture and commercial Landscaping						
	IV	SEC II	23KP3BSEC2	Entrepreneurial Opportunities in Botany	3	2	3	25	75	100
			23KP3I	Internship/ Industrial activity (carried out summer vacation at the end of I yr-30 hours)	-	2	-	-	-	-
		ECC 3	23KP3BECC3:1	Floriculture	-	3	3	-	100	100
			23KP3BECC3:2	MOOC		3				
	TOTAL				30	26		165	435	600
IV	III	CC XI	23KP4B11	Cell and Molecular Biology	6	5	3	25	75	100
		CC XII	23KP4B12	Biochemistry and Applied Biotechnology	6	5	3	25	75	100
		Project	23KP4BPW	Project with Viva – voce	10	7	-		100	100
		EC VI	23KP4BECB6:1	Gene Cloning and Gene therapy	4	3	3	25	75	100
			23KP4BECB6:2	Organic Farming						
	IV	SEC3	23KP4BSEC3	Botany for Advanced Research	4	2	3	25	75	100
	V		23KP4EA	Extension activities	-	1	-	-	-	-
	TOTAL				30	23	-	140	360	500
	GRAND TOTAL				120	91	-			2200

* Add on Course: Microbial Inoculant Technology


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SEM V	NMO	FOOD PREPARATION AND PRESERVATION	23K5NMOB	Ins.Hrs.-2	Credit-2
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Course Objectives: *Acquire knowledge on preparation and nutritive values of different types of food*

CO	STATEMENT
1	Acquire knowledge on selection, identification and functions of food in human
2	Establish skills on preparation of vegetarian dishes.
3	Impart the knowledge on nutritive value and develop skills on preparation of non vegetarian food.
4	Analyze the role of ingredients and preparation of bakery items.
5	Gain knowledge in methods of food preservation.

UNIT I:

Introduction, Scope and methods of cooking food – Function of food to man – Selection and identification of Fish, Meat, Chicken, Egg and Vegetables in local market.

UNIT II:

Composition, Nutritive value and Preparation of vegetable Biryani. Pachadi, Soup varieties and Salads.

UNIT III:

Composition, Nutritive values and Preparation of Mutton and Chicken Biryani, Chicken and Mutton Gravy and Fry. Fish curry and fry.

UNIT IV:

Introduction of Bakery items – Composition, Nutritive value and preparation of bread, cakes and Biscuits. Sweet items (Kesari, Payasam and Coconut Burfi).

UNIT V:

Methods of Preservation- Long Term and Short Term, Advantages and Disadvantages. Preservation of Fruits and Vegetables. Preparation and Preservations of Jam, Jelly, Juice, Sauces and Pickles.

UNIT VI: Current Contour (Not for Semester Examination)

Food safety and quality control. Food packaging: Aseptic and Packing of specific foods, fruits, vegetables, dairy products, cereals, snacks etc.

Textbooks

1. Smith, J.S. and Hari, Y.H. (2014). Food Processing Wiley.
2. Varzakas, T. and Tzia, C. (2016) Hand book of food processing CRC Press.

Reference Books

1. Sreelakshmi, B.,(1997), Food science – New age international Pvt.Ltd, New Delhi.
2. Vangarde, S.J. and Woodburn, M (2001), Food preservation and safety principle and practice, Surbhi publication.


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