

**LANGUAGES
SANSKRIT**

Course structure, Credits, Syllabus, Evaluation pattern, Model paper, Examiners, Reference books for SEM III and IV for batch R 21 (students admitted in 2021 – 22 onwards)

COURSE STRUCTURE

Revised Course Structure-U.G. CBCS (Effective from R21 Batch Onwards)

	SEM-1	SEM-2	SEM-3	SEM-4	SEM-5	SEM-6	Credits
English Language Skill Course	English	English	English	English	English	English	4+4+3+3+3+3=20
Second Language Skill Course	II Lang	II Lang	II Lang	II Lang	II Lang	II Lang	4+4+3+3+3+3=20
Core Courses	Optional-1: DSC-1	Optional-1: DSC-2	Optional-1: DSC-3	Optional-1: DSC-4	Optional-1: DSE-1	Optional-1: DSE-2	5+5+5+5+5+5=30
Core Courses	Optional-2: DSC-1	Optional-2: DSC-2	Optional-2: DSC-3	Optional-2: DSC-4	Optional-2: DSE-1	Optional-2: DSE-2	5+5+5+5+5+5=30
Core Courses	Optional-3: DSC-1	Optional-3: DSC-2	Optional-3: DSC-3	Optional-3: DSC-4	Optional-3: DSE-1	Optional-3: DSE-2	5+5+5+5+5+5=30
Foundation Courses	AECC-1 Environment Science	AECC-2 Gender studies	----	----	----	AECC-3 Capacity building*	2+2=4
Skill Enhancement Courses	----	----	SEC-1 Communication/ Professional skills SEC-2 Dept Specific-COC	SEC-3 Leadership & Management Skill / Universal Human Values SEC-4 Dept Specific-COC/ OnlineCourse	----	----	2+2+2+2=8
Generic Elective Course	----	----	----	----	GE-IDC	----	4
Project	----	----	----	----	----	Project/ OnlineCourse	4
ACGPA-St. Ann's	SOC (Mandatory)/ CCA (Mandatory)	SOC (Mandatory)/ CCA (Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	4 + 8
							Total 150 + 4 + 8

COURSE STRUCTURE & CREDITS

SANSKRIT LANGUAGE

Departmental Course Details

SANSKRIT							
Semester	Generic Code	Course code	Course Title	HPW	Credit	CIA	ESE
I	SLS1	SAN101	SANSKRIT-1	4	4	30	70
II	SLS2	SAN202	SANSKRIT-2	4	4	30	70
III	SLS3	SAN303	SANSKRIT-3	3	3	30	70
IV	SLS4	SAN404	SANSKRIT-4	3	3	30	70
V	SLS5	SAN505	SANSKRIT-5	3	3	30	70
VI	SLS6	SAN606	SANSKRIT-6	3	3	30	70
TOTAL				20	20		

Additional Courses offering –

1. IDC-Nutritional Psychosomatics and Ancient Indian Medicinal Systems (5th and 6th)

St. Ann's College for Women

(Autonomous), Affiliated to Osmania University,

NAAC Accredited with A⁺ Grade (3rd cycle), College with Potential for Excellence by UGC
Mehdipatnam, Hyderabad

Course Over View

BA EPP, HPP & PLP
ECONOMICS

Year	Semester	Paper	Title	Number of Units
I yr	I.	ECO 101	Micro Economics	5
	II.	ECO 202	Macro economics	5
II Yr	III.	ECO 303	Statistics for Economics	5
		SEC - 1	Data Analysis	2
	IV.	ECO 404	Indian Economy	5
		SEC - 2	Rural Development	2
III Yr	V.	IDC	Telangana Economy	2
		ECO 505 (a)	Agricultural Economics	5
		ECO 505 (b)	Industrial Economics	5
	VI.	ECO 606 (a)	International Economics	5
		ECO 606 (b)	Developmental Economics	5
		Project		2

Note: Board of studies approved (the syllabus) of I, II, III and IV Semesters only.

[Signature]

PRINCIPAL

University P.G. College, O.U
Secunderabad-03.

Chairman

Board of Studies
Dept of Economics
Osmania University

Curricular course Structure

Revised Course Structure-U.G. CBCS (Effective from R21 Batch Onwards)

	SEM-1	SEM-2	SEM-3	SEM-4	SEM-5	SEM-6	Credits
Language Skill Course	English	English	English	English	English	English	4+4+3+3+3+3=20
Language Skill Course	II Lang	II Lang	II Lang	II Lang	II Lang	II Lang	4+4+3+3+3+3=20
Discipline Courses	Optional-1: DSC-1	Optional-1: DSC-2	Optional-1: DSC-3	Optional-1: DSC-4	Optional-1: DSE-1	Optional-1: DSE-2	5+5+5+5+5+5=30
Discipline Courses	Optional-2: DSC-1	Optional-2: DSC-2	Optional-2: DSC-3	Optional-2: DSC-4	Optional-2: DSE-1	Optional-2: DSE-2	5+5+5+5+5+5=30
Discipline Courses	Optional-3: DSC-1	Optional-3: DSC-2	Optional-3: DSC-3	Optional-3: DSC-4	Optional-3: DSE-1	Optional-3: DSE-2	5+5+5+5+5+5=30
Elective Courses	AECC-1 Environment Science	AECC-2 Gender studies	—	—	—	AECC-3 Capacity building*	2+2=4
Management Courses	—	—	SEC-1 Communication/ Professional skills	SEC-3 Leadership & Management Skill / Universal Human Values	—	—	2+2+2+2=8
Management Courses	—	—	SEC-2 Dept Specific-COC	SEC-4 Dept Specific-COC/ Online Course	—	—	—
Management Courses	—	—	—	—	GE-IDC	—	4
Management Courses	—	—	—	—	—	Project/ Online Course	4
Management Courses	—	—	—	—	—	—	—
Management Courses	SOC (Mandatory)/ CCA (Mandatory)	SOC (Mandatory)/ CCA (Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	ALP/ Online Course (Not Mandatory)	4+8
							Total 150 + 4 + 8

P. Bharathi
 Dr. P. BHARATHI

Exam Cell - St. Ann's College for Women, Mehdiapatnam, Hyderabad.

GE1	IDC50 1	Corporate Communication	4	4	30	70	28	40
AECC - 3*	AECC 603	Capacity building	2	2	15	35	14	20
DSE6A	JOU 606A	Public Relations (Core)	6	5	30	70	28	40
DSE6B	JOU 606B	(A) Introduction to Digital journalism	6	5	30	70	28	40
DSE6C	JOU 606C	(B): Specialized reporting	6	5	30	70	28	40
PROJ/D SC7	...607		5	4	15	35	14	20

NOTE

ESE Duration:

2.30 Hrs for all 100 Marks

Courses

1.30 Hrs for all 50 Marks

Courses

3.00 Hrs for Practical courses /Project

Evaluation

**Project
Evaluation**

Training students in the Project work (for 4credits in semester VI) is aimed at enabling them to apply the principles and concepts learnt during the course. Weekly 6 Periods are allotted during which Project guide has to spend quality time in teaching/training to give the necessary knowledge and skill. 2periods are allocated for lab related activity. at the end of the Course the student will be evaluated based on

1. Written Examination for 50 Marks
2. Project Report Presentation along with Viva voce for 50 Marks

**Extra Core
course instead
of Project**

Departments can offer an additional core paper in place of project. This course will be treated on par with the other Core courses w.r.t teaching and evaluation.

P. B. Bharathi

Dr. P. BHARATHI
 HOD DEPARTMENT OF JOURNALISM
 St. Ann's College For Women
 Mehdiapatnam, Hyderabad

NCG
PA

2

2

2

6

Course Details of the Departments – Dept. of Political Science

Generic Code	Course code	Course Title	PPW	Credit	CIA	ESE	Passing minimum in	
							ESE	Aggregate
DSC1	POL101	Understanding Political Theory	6	5	30	70	28	40
AECC-1	AECC101	Environmental Science	2	2	15	35	14	20
DSC2	POL202	Western Political Thought	6	5	30	70	28	40
AECC-2	AECC202	Gender Studies	2	2	15	35	14	20
DSC3	POL303	Indian Political Thought	6	5	30	70	28	40
SEC1	SEC301	Communication/Professional skills	2	2	15	35	14	20
SEC2	SEC302	Legislative Economic & Practices	2	2	15	35	14	20
DSC4	POL404	Constitution & Politics of India	6	5	30	70	28	40
SEC3	SEC403	Leadership and Management skills/Human Values	2	2	15	35	14	20
SEC4	SEC404	Laws, Duties and Rights of Citizens	2	2	15	35	14	20
DSE5A	POL505A	American Government & Politics I	6	5	30	70	28	40
DSE5B	POL505B	Election Studies I	6	5	30	70	28	40
DSE5C	POL505C	International Relations I	6	5	30	70	28	40
GE1	IDC501	a. Indian Constitutions b. Politics of Development	4	4	30	70	28	40
AECC-3*	AECC603	Capacity building	2	2	15	35	14	20
DSE6A	POL606A	American Government & Politics II	6	5	30	70	28	40
DSE6B	POL606B	Election Studies II	6	5	30	70	28	40
DSE6C	POL606C	International Relations II	6	5	30	70	28	40
PROJ/DSC7	POL607	Global Politics & Mock Parliamentary Training	5	4	15	35	14	20

Head Department of Political Science

St. Ann's College For Women

(Autonomous)

Mehdiapatnam, Hyderabad-28.

Exam Cell - St. Ann's College for Women, Mehdiapatnam,
Hyderabad.

VI	DSE6A	PSY606A	Adolescent Psychology	5	4	20	55	22	30
	DSE6A-Pr	PSY616A	Practical-VI-A	2	1	8	17	7	10
	DSE6B	PSY606B	Health Psychology	5	4	20	55	22	30
	DSE6B-Pr	PSY616B	Practical-VI-B	2	1	8	17	7	10
	DSE6C	PSY606C	-----	5	4	20	55	22	30
	DSE6C-Pr	PSY616C	-----	2	1	8	17	7	10
	PR1/DSC7	PSY607	Project/ Core paper/online course	5	4	15	35	14	20

NOTE

ESE Duration: 2.30 Hrs for all 100 Marks Courses

1.30 Hrs for all 50 Marks Courses

3.00 Hrs for Practical courses /Project Evaluation

Project Evaluation

Training students in the Project work (for 4credits in semester VI) is aimed at enabling them to apply the principles and concepts learnt during the course. Weekly 6 Periods are allotted during which Project guide has to spend quality time in teaching/training to give the necessary knowledge and skill. 2periods are allocated for lab related activity. at the end of the Course the student will be evaluated based on

1. Written Examination for 50 Marks
2. Project Report Presentation along with Viva voce for 50 Marks

EVALUATION PATTERN
BA I and II years (Sem I,II,III & IV)

Theory evaluation will have two components:

- Continuous Internal Assessment (CIA)
- End Semester Evaluation (ESE)

Theory exams will be held at the end of each semester

Continuous Internal Assessment (CIA) Total = 30M

Formal Written tests	Duration	Max. Marks	Number of questions with marks allotted			Total
			Long answer	short answer	Very Short Questions	
Test1 [centralised]	60 mints	20	4X2	2X3	1X6	20
Test2 [centralised]	60 mints	20	4X2	2X3	1X6	20
Test 3 [By the course teacher]	Mention the mode	10	Field trip , Survey ,Assignment, Presentation, Team Leader , Role Model , Mock Sessions, Book Review, Group Discussion and Project (any one)			

End Semester Evaluation (ESE)

End Semester Evaluation	Duration	Max. Marks	Mention whether Unit wise Internal choice / overall choice			Total
			Number of questions with marks allotted			
			Long answer	Short answer	Very short answers	
ESE	Existing 2 Hours To 2 and half hrs	70	4X8m	5X6m	4X2m	70

* Note: Change in the duration of the exam from two hours to 2 and half hrs in view of the pattern of the exam .Students requested for extra time to present their views



Department of Commerce

St. Ann's College for Women, Mehdipatnam, Hyderabad.
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		Performance							
		c) International Financial Reporting -I							
DSE2	BCO502	a) Computerised Accounting b) Financial Decision Making- I c) International Tax & Regulation	3T+ 4P	5	30	70	28	40	
DSE3	BCOI503	a) Logistics Management b) Advanced Corporate Accounting c) Financial Management		6	5	30	70	28	40
GE1	IDC501	Business Economics		4	4	30	70	28	40
AECC -3*	AECC603	Capacity building		2	2	15	35	14	20
DSE4	BCO601	a) Cost Control and Management Accounting b) Financial Control c) International Financial Reporting		6	5	30	70	28	40
DSE5	BCO602	a) Theory and Practice of GST b) Financial Decision Making II c) International Auditing	3T+ 4P	5	30	70	28	40	
DSE6	BCOI603	a) Cross-Cultural Consumer and Industrial Buyer Behaviour b) Corporate Governance c) Investment Management		6	5	30	70	28	40
PROJ/DS C	BCO604	Research Methodology & Project Report	2T+ 4R	4	15	35	14	20	
Internshi p	BCOI605	Summer Internship Report		2	15	35	14	20	

Summary of Credits-Department Specific-

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	SEC	2	2	4
2	GE	1	4	4
3	DSC	12	5	60
4	DSE	6	5	30
5	Project Report	1	4	4
6	Internship Report	1	2	-
(Mandatory – NCGPA)				102
Only department specific credits				102

**DEPARTMENT OF
 MANAGEMENT
 BBA**

THIRD YEAR SEMESTER - V						
	Brand Management	DSC	5	5	2hrs	50
	Management Science	DSC	5	5	2hrs	50
ELECTIVE-I						
BBA 503	A) Organizational Development	DSE	5	5	2hrs	50
	B) Financial Markets and Services					
	C) Programming For Analytics					
ELECTIVE-II						
BBA 504	A) Performance Appraisal and Counselling	DSE	5	5	2hrs	50
	B) Analysis of investment in Financial Assets					
	C) Business Statistics with R Programming					
BBA 505	Business Exposure & Women Entrepreneurship	SEC	3	2	2hrs	50
BBA 506	Basic Financial Intelligence	SEC	3	2	2hrs	50
BBA 507	Summer Internship Report and Viva voce	DSC	2	2	--	GRADE
SEMESTER - VI						
BBA 601	Retail Management	DSC	5	5	2hrs	50
BBA 602	Strategic Management	DSC	5	5	2hrs	50
ELECTIVE-III						
BBA 603	A) Leadership and Change Management	DSE	5	5	2hrs	50
	B) International Finance					
	C) Multivariate Data Analysis					

Prof. V. S. Sudha
 Head, DoBM, OU

Prof. Sree Ram
 Subject Expert

Dr. D.V. Srinivas
 Subject Expert

Mr. Satya Thopalli
 Industry Expert

CHAIRMAN
 DEPARTMENT OF BUSINESS MANAGEMENT
 OSMANIA UNIVERSITY
 Hyderabad-500 007, T.S., India

P.V.L. Shro
 Ms. Potti V.L. Greeshma
 Alumnus

Saty
 Mr. Satya Thopalli
 Industry Expert

ELECTIVE-IV

A) Talent and Knowledge Management	DSE	5	5	2hrs	50
B) Risk analysis and Management					
C) Data Mining with R					
Basic Quality Management	SEC	3	2	2hrs	50
Investment Planning	SEC	3	2	2hrs	50
Project Work (Including Viva Voce)	DSC	4	4	Viva voce	GRADUATION
Viva voce			2		
TOTAL		118	114		1200

Prof. De Kant
 Subject Expert

Dr. D.V. Srinivas
 Subject Expert

Mr. Satya Chaitanya
 Industry Expert

P.V. Vishu
 Ms. Potti V.L. Gireeshma
 Alumnus

Ms. Jayatha
 HOD (Dept. of UG)

DSE 4	BBA 601 A) HR B) Finance C) Business Analytics	ELECTIVE-IV A) Leadership and Change Management (HR) B) Banking (F) C) SaS& Tableau	6	5	30	70	28	40
DSE 5	BBA 602 A) HR B) Finance C) Business Analyti	ELECTIVE-V (A) Talent and Knowledge Management (HR) B) Risk Analysis And Management C) Natural Language Processing	6	5	30	70	28	40
DSE 6	BBA 603 A) HR B) Finance C) Business Analyti	ELECTIVE VI A) Employees Relations (HR) B) International Finance (F) C) Machine Learning & Artificial Intelligence	6	5	30	70	28	40
DSE 7	BBA 604	Project & Viva Voce	4	4	15	35	14	20

NOTE
DSE Duration:

2.30 Hrs for all 70 Marks papers
1.30 Hrs for all 35 Marks papers

Project Evaluation

Training students in the Project work (for 4 credits in semester VI) is aimed at enabling the research skills in students by doing a project in their area of specialization (HR, Finance, Business Analytics). Weekly 6 Periods are allotted during which Project guide has to spend quality time in teaching/training to give the necessary knowledge and skill.
Project Report Presentation along with Viva voce for 50 Marks

CHAIRMAN
BUSINESS MANAGEMENT
OSMANIA UNIVERSITY,
T.S., In
HoD, DoBM (UG)

Dr. D.V. Srinivas
Subject Expert

Mr Satya Thopalli
Industry Expert

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**DEPARTMENT OF NUTRITION
MSC NUTRITION**

College for Women, Mehdiapatnam, Hyderabad (Autonomous), Osmania University NAAC
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	401						
4	MNUT 402	Diabetes patient education or Lactation Counseling techniques	2	2	10	40	50
25	INTP4 11	6 Months Hospital Internship *(8 hrs x 5days =40 hrs)	40	20	170	330	500
		TOTAL					650
		GRAND TOTAL	46	26			2450

Note: 4 hrs of practical teaching is equivalent to 2 credits

4 hrs of theory class is equivalent to 4 credits

Programme Structure with credits

semester	Hours of teaching(WK)	Credits	Total marks
Semester I	30	27	650
Semester II	30	23	600
Semester III	30	21	550
Semester IV	46	26	650
TOTAL	136	97	2450

Total credits - 97

Core credits - 94

Non credits - 3

BSC NCB,NCZ NUTRITION

College for Women, Mehdiapatnam, Hyderabad (Autonomous), Osmania University NAAC
Reaccredited with 'A +' Grade, College with Potential for Excellence by UGC

	...505C		4	4	30	70	28	40
	...515C		3	1	15	35	14	20
GE1	IDC501	Needful Nutrition	4	4	30	70	28	40
DSE6A	NUT 606A	Public Health	4	4	30	70	28	40
DSE6A-Pr	NUT 616A	Public Health	3	1	15	35	14	20
DSE6B	NUT606B	Therapeutic Nutrition -II	4	4	30	70	28	40
DSE6B-Pr	NUT616B	Therapeutic Nutrition Practicals- II	3	1	15	35	14	20
DSE6C	...606C		4	4	30	70	28	40
DSE6C-Pr	...616C		3	1	15	35	14	20
AECC -3*	AECC03	Capacity Building	2	2	15	35	14	20
PR1/DSC7	NUT 607	Project/ Core Paper/Online Course Instead of project the Dept Proposes to offer a CORE paper- Institutional Food Service Management	6-4	4	15	35	14	20

PPW-Periods per week

Semester V and VI tentatively proposed courses

Department of Nutrition St. Ann's College for Women, Mehdiapatnam, Hyderabad (Autonomous),
 University NAAC Reaccredited with 'A +' Grade, College with Potential for Excellence by
 UGC

DEPARTMENT OF NUTRITION
 PG DIPLOMA IN NUTRITION

P.G. Diploma in Clinical Nutrition and Dietetics

COURSE OVERVIEW & STRUCTURE -R21

Sl. No.	Paper	Title	Teaching Hrs	Credit	Seminar/Project Credits	Internal marks	External Marks	Total
SEM-I								
1	Paper I THEORY	Clinical nutrition-I	4	4	-	20	80	100
2	Paper I PRAC	Clinical nutrition-I	3	1	--	25	50	75
3	Paper II THEORY	Clinical nutrition-II	4	4	1	20	80	100
4	Paper II PRAC	Clinical nutrition-II	3	1	---	25	50	75
5	Paper III THEORY	Physiology	4	4	1	20	80	100
6	Paper IV THEORY	Dietetics techniques, patient counselling & Foodservice Management	4	4	---	20	80	100
7	Add on course	Communicative English and soft skills	2	1	---	10	40	50
SEM-I TOTAL			24	19	2	130	420	550
SEM-II								
8	Paper V THEORY	Public health and epidemiology	4	4	1	20	80	100
9	Hospital Internship	Complete Sem-II Hospital Internship	---	30	2+2(mini college project)	100	150	250

Department of Biochemistry St. Ann's College for Women, Mehdiapatnam, Hyderabad
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 NAAC Reaccredited with 'A+' Grade, College with Potential for Excellence by UGC

Evaluation pattern For R20 Batch

**BSC BBC
 BIOCHEMISYRT**

Internal: CIE continuous Internal Evaluation

Formal Written tests	Duration	Max.Marks	Number of questions with marks allotted			Total
			Long answer	V.short answer	Multiple choice (if any)	
Test1 [centralised]	60 mints	20	-----	-----	FIB 0.5 M x20=10 M MCQ 0.5 Mx20=10M	20M
Test2 [centralised]	60 mints	20	-----	-----	FIB 0.5 M x20=10 M MCQ 0.5 Mx20=10M	20M
Test3 [By the course teacher]	Mention the mode	10	Assignment/Miniproject			

External: ESE

End Semester Evaluation	Duration	Max. Marks	Mention whether Unit wise Internal choice / overall choice			Total
			Number of questions with marks allotted			
			Long answer	Short answer	Very Short Answer	
ESE	2 hrs	35	4x7=28M Unit wise Internal Choice	2x3 1/2=7M	-----	35M

Lab work Evaluation details

Internal: CIE based on 15 Marks

External Exam annual 35Marks

Sylaja

Head of the Department
 Department of Biochemistry,
 St. Ann's College for Women
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St. Ann's College for Women

(Autonomous), Affiliated to Osmania University,

NAAC Accredited with A⁺ Grade (3rd cycle), College with Potential for Excellence by UGC
Mehdipatnam, Hyderabad

BSC BIOTECHNOLOGY

Evaluation Pattern

S. No.	Evaluation System	Internal	External
1	Scheme	Continuous Internal Assessment (CIA)	End Semester Exam (ESE)
2	Weightage	30%	70%
3	Assessment mode	Test I for 20 marks Test II for 20 marks Test III for 10 marks (Assignment/Group discussion/Seminar) Time - 60min Duration	Written 35 marks: (Time - 2 Hrs)
4	Mode of Calculation for semester	Average of test 1&2 $1+2/2 = 20$ marks $20\text{ m} + \text{Test III } 10\text{ marks} = 30$ $30/2 = 15$	35marks
Marks - Internal 15 marks + External 35 marks = 50 marks			
5	Practical	15 marks (Attendance - 5, Performance - 5, Record - 5)	35 marks
Marks - Internal 15 marks + External 35 marks = 50/2=25 marks			

Model question Paper pattern proposed - Theory

i) Internal: CIA

Formal Written tests	Duration	Max.Marks	Number of questions with marks allotted			Total
			Long answer	short answer	Objective type (if any)	
Test1 [centralised]	60 mins	20	-	2X5 = 10	10 Q's 1 mark each	20
Test2 [centralised]	60 mins	20	-	2X5 = 10	10 Q's 1 mark each	20
Test3 [By the course teacher]	Mention the mode	10	Seminar/Group discussion/assignment/ Project			10

Chairperson
Board of Studies in Biotechnology
Department of Genetics

[Signature]

Ann's College for Women – Autonomous, Accredited 'A+' grade (3rd cycle) by NAAC &
College with potential for excellence by UGC, Mehdiapatnam, Hyderabad – 500 028

Department of Botany
Course Structure Academic year 2022-2023 (R21)

BSC BZC, MCB, NCB & BBC
BOTANY

s under NCGPA

Generic Code	Course code	Course Title	PPW	Credit	CIA	ESE	Passing minimum in	
							ESE	Aggregate
DSC1	BOT101	Microbial Diversity and Lower Plants	4	4	30	70	28	40
DSC1-Pr	BOT111	Microbial Diversity and Lower Plants	3	1	15	35	14	20
AECC -1	AECC101	Environmental Science	2	2	15	35	14	20
DSC2	BOT202	Gymnosperms, Taxonomy of Angiosperms and Ecology	4	4	30	70	28	40
DSC2-Pr	BOT212	Gymnosperms, Taxonomy of Angiosperms and Ecology	3	1	15	35	14	20
AECC - 2	AECC	Gender Studies	2	2	15	35	14	20
DSC3	BOT303	Plant Anatomy and Embryology	4	4	30	70	28	40
DSC3-Pr	BOT313	Plant Anatomy and Embryology	3	1	15	35	14	20
SEC1	SEC301	Communication/Professional skills (UGC)	2	2	15	35	14	20
SEC2	SEC302	Nursery and Gardening (Dept. Specific COC)	2	2	15	35	14	20
DSC4	BOT404	Cell Biology, Genetics & Plant Physiology	4	4	30	70	28	40
DSC4-Pr	BOT414	Cell Biology, Genetics & Plant Physiology	3	1	15	35	14	20
SEC3	SEC403	Leadership and Management skills/Human Values (UGC)	2	2	15	35	14	20
SEC4	SEC404	Mushroom Culture Technology (Dept. Specific COC)	2	2	15	35	14	20
DSE5A	BOT505A	Biodiversity & Conservation	4	4	30	70	28	40
DSE5A-Pr	BOT515A	Biodiversity & Conservation	3	1	15	35	14	20
DSE5B	BOT505B	Economic Botany	4	4	30	70	28	40
DSE5B-Pr	BOT515B	Economic Botany	3	1	15	35	14	20
DSE5C	BOT505C	Seed Technology	4	4	30	70	28	40
DSE5C-Pr	BOT515C	Seed Technology	3	1	15	35	14	20
GE1	IDC501	Industrial Microbiology	4	4	30	70	28	40
DSE6A	BOT606A	Tissue Culture and Biotechnology	4	4	30	70	28	40
DSE6A-Pr	BOT616A	Tissue Culture and Biotechnology	3	1	15	35	14	20
DSE6B	BOT606B	Plant Molecular Biology	4	4	30	70	28	40
DSE6B-Pr	BOT616B	Plant Molecular Biology	3	1	15	35	14	20
DSE6C	BOT606C	Analytical Techniques in Plant Sciences	4	4	30	70	28	40
DSE6C-Pr	BOT616C	Analytical Techniques in Plant Sciences	3	1	15	35	14	20
AECC -3*	AECC03	Capacity building	2	2	15	35	14	20
PR1/DSC7	BOT607	Project/ optional paper/online course	6 - 4	4	15	35	14	20

P. Ushasini

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 Mehdiapatnam, Hyderabad

ology Course Structure:

BSC MCB MICROBIOLOGY

St. Ann's College for Women, Mehdiapatnam, Hyderabad MICROBIOLOGY COURSE STRUCTURE -R20 BATCH

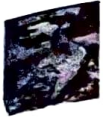
FIRST YEAR						
SEMESTER I	COURSE TITLE	COURSE TYPE	HPW - T	HPW-P	Credits	TOTAL CREDITS
CODE					4+1	5
MIC 101 & MIC 111	Introductory Microbiology-I	DSC	4	3		5
	TOTAL					5
SEMESTER II	Introductory Microbiology-II	DSC	4	3	4+1	5
MIC 202 & MIC 212						5
	TOTAL					5
SECOND YEAR						
SEMESTER III	Microbial Physiology	DSC	4	3	4+1	5
MIC 303 & MIC 313	COC-Medical Coding-I	SEC	2			
	TOTAL					5
SEMESTER IV	Microbial Genetics	DSC	4	3	4+1	5
MIC 404 & MIC 414	COC-Medical Coding-II	SEC	2			2
	TOTAL					7
THIRD YEAR						
SEMESTER V	Immunology & Chemotherapy	DSC	3	3	3+1	4
MIC 505 & MIC 515	Environmental Microbiology					
MIC 506A & MIC 516A	& Sustainable Agriculture					
MIC 506B & 516B	Food & Dairy Microbiology	DSE	3	3	3+1	4
	IDC-Microbiology for Health & Wealth	GE	2			1
	TOTAL					9
SEMESTER VI	Industrial Microbiology & Microbial Technology	DSC	3	3	3+1	4
MIC 607 & MIC 617	Medical Microbiology					
MIC 608A & MIC 618A	Clinical & Diagnostic Microbiology	DSE	3	3	3+1	4
MIC 608B & 618B						8
	TOTAL					39
	Advance Learner Program* (ALP) Project/Internship					2
						41

Antimicrobial agents

Agricultural & Environmental Microbiology

Jyoti

Head of the Department
 Microbiology
 St. Ann's College for Women
 Mehdiapatnam, Hyderabad-500 028.



Department of Zoology, St. Ann's College for Women(Autonomous),
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Mehdipatnam, Hyderabad

BSC BZC, MCZ, NCZ
ZOOLOGY

Continuous Internal Assessment (CIA) - Theory

Three Internal Tests

Test 1: Formal Test For 20 Marks, Time - 60 Min

Formal Written tests	Duration	Max.Marks	Number of Questions with marks allotted		Total
			Long answer	Short Answers	
Test1 [centralised]	60 min	20	2x7 =14	6x1 =6	20
Test2 [Objective type]	60 min	20			20
Test 3 [By the course teacher]	Assignment or Group discussion/ Seminar/ Projects.	20	-	-	20

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Mehdipatnam, Hyderabad

Continuous Internal Assessment (CIA) - Theory

Three Internal Tests
Test 1: Formal Test For 20 Marks, Time - 60 Min
Test 2: Formal Test For 20 Marks, Time - 60 Min
Two Internal examinations of 20 marks each.

Formal Written tests	Duration	Max.Marks	Number of Questions with marks allotted		Total
			Long answer	Very short	
Test1 [centralised]	60 min	20	2x7 =14	6x1 =6	20
Test2 [centralised]	60 min	20	2x7 =14	6x1 =6	20
Test 3 [By the course teacher]	Assignment or Group discussion/ Seminar/Projects.	10	-	-	10

Mode of calculation of marks

Average of Test 1, Test 2 = $[(\text{Test 1} + \text{Test 2})/4]$ $20+20/4 = 10$ M

Test 3: Analytical skill test: For 10 Marks in the form of Assignment/GD/Seminar/Projects etc...

Mode of calculation of marks

Test 3/2] = $10/2 = 5$

TOTAL = 15 Marks.

Examination & Evaluation

BSC BZC, MCZ, GCM, NCZ
&NCB
CHEMISTRY

Skill Enhancement Course

FACULTY OF SCIENCE

B.Sc., CHEMISTRY

SEMESTERS-III & IV

S. No	Course	CIA	End Semester	Total
1	SEC	Project- 15 Marks	35 marks	50 marks

1. Prof. P. Leelavathi
Chairman, BOS, OU

2. Prof. NV Ventakaraman
HOD, Chemistry, Mahindra University

3. Prof. Rambabu Gundla
HOD, Chemistry, Gitam University

4. Dr. B. Sireesha
Asst Professor, Dept of Chemistry OU

5. Dr. B. Sreedhar
Senior Principal Scientist, IICT

6. Ms. Ameena Hussain
Asst. Professor, Dept of Chemistry, GUCW
(c)

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Summary of Credits-Overall Programme – B.Sc.				BSC MPCs,MECs,MSCs COMPUTER SCIENCE
S. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4 and 3	20
2	Second Language	6	4 and 3	20
3	AECC	2+1*	2*	4
4	SEC	4	2	8
5	GE	1	4	4
6	DSC	12	5	60
7	DSE	6	5	30
8	Project/Online course/core paper	1	4	4
Total Credits				150
9	SOC	1	2*	
10	CCA CCA – NCC, PE, NSS (additional 2 credits)	1 3Y/3Y/2Y	2* 2*	
11	ALP – NON - MANDATORY	1	4	
*Credits under NCGPA - MANDATORY				6 - 8

Summary of Credits-Department Specific				
Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	SEC	2+2	2	4+4
2	GE	1	4	4
3	DSC	12	5	20
4	DSE	6	5	10
5	Project/ Core paper/online course	1	4	4
Only department specific credits				42

K. K. K.

CHAIRMAN

Board of Studies in Computer Science

St. Ann's College for Women

Mehdipatnam, Hyderabad

Structure of Curriculum - Electronics

No	Paper	SEMESTER	Title Theory & Practicals	Theory Hrs/Week	Marks	Credits
	DSC I	I	Circuit Analysis	4	70	4
			Circuit Analysis Lab	3	35	1
2	DSC II	II	Electronic Devices	4	70	4
			Electronic Devices Lab	3	35	1
3	DSC III	III	Analog Circuits	4	70	4
			Analog Circuits Lab	3	35	1
4	DSC IV	IV	Linear Integrated circuits and Basics of Communication	4	70	4
			Linear Integrated circuits and Basics of Communication Lab	3	35	1
5	DSE I	V(A)	Digital Electronics and Communication	4	70	4
			Digital Electronics and Communication Lab	3	35	1
		V(B)	Electronic Instrumentation	4	70	4
			Electronic Instrumentation Lab	3	35	1
6	DSE II	VI (A)	Micro Controller & Embedded Systems	4	70	4
			Micro Controller & Embedded Systems Lab	3	35	1
		VI(B)	VHDL	4	70	4
			VHDL Lab	3	35	1
7	AECC 1	I	Environmental Sciences	2	35	2
8	AECC 2	II	Gender Studies	2	35	2
9	SEC 1	III	Communication Skills	2	35	2
10	SEC 2	III(A)	Arduino based IOT	2	35	2
		III(B)	MATLAB and its Applications	2	35	2
11	SEC 3	IV	Leadership & Management Skills/ Human Values	2	35	2
12	SEC 4	IV(A)	Fiberoptopreneurs	2	35	2
		IV(B)	Basic Instrumentation Skills	2	35	2
13	GE	V	Digital Photography	4	35	4
14	Project/O ptional	VI	Project			4
15	AECC 3	VI	Capacity building			
Total number of credits						50

B.Sc. (Electronics) Syllabus

St. Ann's College for Women
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UGC Mehdipatnam, Hyderabad

Department of Mathematics
B.Sc Course Structure-2021 Batch Onwards

BSC MPCs,MECs,MSCs
MATHEMATICS

Generic Code	Course code	Course Title	PP W	Credit	CIA	ESE	Passing minimum in	
							ESE	Aggreg
DSC1	MAT101	Differential Equations	4	4	30	70	28	40
DSC1-Pr	MAT111	Differential Equations	3	1	15	35	14	20
AECC -1	AECC101	Environmental Science	2	2	15	35	14	20
DSC2	MAT202	Differential & Integral Calculus	4	4	30	70	28	40
DSC2-Pr	MAT212	Differential & Integral Calculus	3	1	15	35	14	20
AECC - 2	AECC	Gender Sensitization	2	2	15	35	14	20
DSC3	MAT303	Algebra	4	4	30	70	28	40
DSC3-Pr	MAT313	Algebra	3	1	15	35	14	20
SEC1	SEC301	Communication/Professional skills	2	2	15	35	14	20
SEC2	SEC302(A)	Logic & Sets	2	2	15	35	14	20
	SEC302(B)	Vector Calculus	2	2	15	35	14	20
DSC4	MAT404	Real Analysis	4	4	30	70	28	40
DSC4-Pr	MAT414	Real Analysis	3	1	15	35	14	20
SEC3	SEC403	Leadership and Management skills/Human Values	2	2	15	35	14	20
SEC4	SEC404(A)	Logic & Sets	2	2	15	35	14	20
	SEC404(B)	Number Theory	2	2	15	35	14	20
DSE5A	MAT505A	Linear Algebra	4	4	30	70	28	40
DSE5A-Pr	MAT515A	Linear Algebra	3	1	15	35	14	20
DSE5B	MAT505B	Graph Theory	4	4	30	70	28	40
DSE5B-Pr	MAT515B	Graph Theory	3	1	15	35	14	20
DSE5C	MAT505C	Discrete Mathematics	4	4	30	70	28	40
DSE5C-Pr	MAT515C	Discrete Mathematics	3	1	15	35	14	20
GE1	IDC501	Basic Mathematics	4	4	30	70	28	40
DSE6A	MAT606A	Numerical Analysis	4	4	30	70	28	40
DSE6A-Pr	MAT616A	Numerical Analysis	3	1	15	35	14	20
DSE6B	MAT606B	Integral Transforms	4	4	30	70	28	40
DSE6B-Pr	MAT616B	Integral Transforms	3	1	15	35	14	20
DSE6C	MAT606C	Analytical Solid Geometry	4	4	30	70	28	40
DSE6C-Pr	MAT616C	Analytical Solid Geometry	3	1	15	35	14	20
AECC -3*	AECC03	Capacity building	2	2	15	35	14	20
PR1/DS C7	MAT607	Project/ Mathematical Modelling/Online Course	6/ 4	4	15	35	14	20

BSC MSCs
 STATISTICS

Examination & Evaluation
Question Paper - Proposed Pattern- Theory Examination

Internal: CIE

Formal Written Tests	Duration	Max. Marks	Number of questions with marks allotted			Total
			Long Answer	Short Answer (Fill up the Blanks)	Multiple choice (if any)	
Test1 [Centralized]	1 hr.	20	2*5=10 (2 of 4)	10 questions (1/2 mark each) 5marks	10 questions Objective (1/2 mark each)-5 marks	20
Test2 [Centralized]	1 hr.	20	2*5=10 (2 of 4)	10 questions (1/2 mark each) 5marks	10 questions Objective (1/2 mark each)-5 marks	20
Test 3 [By the course teacher]	-	10	Assignment/ Project /Presentation			

Sybil
 19/03/2022
 Chair-Person
 B.O.S. in Statistics
 U.C.S.
 Osmania University.
 HYDERABAD-7.

Orilal
 20/03/2022
 Head
 Dept. of Statistics
 St. Ann's College for Women
 Mehdipatnam, Hyderabad - 38.

**B.Sc. II Year III Semester (CBCS): Data Science
 (With Mathematics Combination)**

R 21 (Semester III & IV)

**DEPARTMENT OF STATISTICS
 BSC DATA SCIENCE**

Course Structure

Generic Code	Course code	Course Title	PPW	Credit	CIA	ESE	Passing minimum in	
							ESE	Aggregate
DSC3	DSC303	Data Engineering with Python	4	4	30	70	28	40
DSC3-Pr	DSC313	Data Engineering with Python - Lab	3	1	15	35	14	20
SEC - 1	SEC301	UGC Mandated SEC	2	2	15	35	13	20
SEC - 2	SEC302	MINIPROJECT	2	2	15	35	13	20
DSC4	DSC404	Machine Learning	4	4	30	70	28	40
DSC-Pr	DSC414	Machine Learning Lab	3	1	15	35	14	20
SEC - 3	SEC403	UGC Mandated SEC	2	2	15	35	13	20
SEC - 4	SEC404	Mini-Project	2	2	15	35	13	20

Ungli
 19/03/2022
 Chair-Person
 B.O.S. in Statistics
 U.C.S.
 Osmania University,
 HYDERABAD-7a

Prithal
 20/03/2022
 Head
 Dept. of Statistics
 St. Ann's College for Women
 Mehdiapatnam, Hyderabad - 28.

DEPARTMENT OF MANAGEMENT
MBA

Department of Business Management (MBA)
St. Ann's College for Women, Mehdiplotnam, Hyderabad (Autonomous), Osmania University
NAAC Reaccredited with 'A+' Grade, College with Potential for Excellence by UGC

Course Code	Course Type	Course Title	Hours			Credits	Marks			Duration of Exam
			L	T	P		CIA	ESE	TOT	
Semester III										
MBA301	DSC7	Operations Research	3	2		4	30	70	100	2.5
MBA302	DSC8	Global Business	3	2		4	30	70	100	2.5
MBA303	DSC9	Operations Management	3	2		4	30	70	100	2.5
MBA304A	DSE1	Financial Derivatives	4	2		5	30	70	100	2.5
MBA304B		Compensation & Benefits Management								
MBA304C		Product & Brand Management								
MBA304D		Retail & Supply Chain Management								
MBA305A	DSE2	International Finance	4	2		5	30	70	100	2.5
MBA305B		Organization Change & Development								
MBA305C		Integrated Marketing Communication & Promotions								
MBA305D		Retail Brand Management								
MIDC301		Executive Communication	2			2	10	40	50*	2
		Yoga & Meditation			2	1				
Total			22	10	2	25			500	
Semester IV										
MBA401	DSC10	Strategic Management	3	2		4	30	70	100	2.5
MBA402	DSC11	E-Business	3	2		4	30	70	100	2.5
MBA403	DSC12	Crisis & Disaster Management	3	2		4	30	70	100	2.5
MBA404A	DSE3	Security Analysis & Portfolio Management	4	2		5	30	70	100	2.5
MBA404B		Labor Laws & Employee Relations								
MBA404C		Online Marketing								
MBA404D		Retail Consumer Behavior								
MBA405A	DSE4	Banking & Insurance	4	2		5	30	70	100	2.5
MBA405B		Performance Management System								
MBA405C		Services Marketing								
MBA405D		Retail Visual Merchandising								
PRJT411	PRJT	Project & Internship				4	50	50	100*	
Total			17	10	4	27			500	

Total number of credits: 22+24+25+27=98
Total number of marks: 500+500+500+500=2000


Ms. K Mary Keerthi
Head

St. Ann's College for Women

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Mehdipatnam, Hyderabad

DEPARTMENT OF
COMPUTER
APPLICATIONS
MCA

M.C.A SEMESTER –III Course Structure R21 Batch Onwards (Choice Based Credit System)

Code	Name of the Paper	Hours /week	Credits	Duration of Exam	ESE	CIA	Total
MCAN301	Software Engineering	4	4	2.5	70	30	100
MCAN302	Computer Networks	4	4	2.5	70	30	100
MCAN303	Data Science	4	4	2.5	70	30	100
MCAN304	Web Technologies	4	3	2.5	70	30	100
MCAN305A	Information Security (Professional Elective-I)	3	3	2.5	70	30	100
MCAN306D	Natural Language Processing (Professional Elective-II)	3	3	2.5	70	30	100
PRACTICALS							
MCAN311	Software Engineering Lab	3	2	3	50	25	75
MCAN312	Computer Networks Lab	3	2	3	50	25	75
MCAN313	Data Science Lab	3	2	3	50	25	75
SIPN314	Summer Internship	-	2	-	50		50
TOTAL		31	29		620	255	875

SEM-III: Total Number of Credits: 29

Professional Electives	Course Code	Subjects
Professional Elective - I	MCAN305A	Information Security (Selected)
	MCAN305B	Distributed Systems
	MCAN305C	Internet of Things
	MCAN305D	Information Retrieval System
Professional Elective - II	MCAN306A	Network Security
	MCAN306B	Software Quality Testing
	MCAN306C	Image Processing
	MCAN306D	Natural Language Processing (Selected)

Anita

[Signature]
CHAIRMAN

Board of Studies (IT)
Dept. of Computer Science & Engg.
University College of Engineering
Osmania University, Hyd-500007
10

St. Ann's College for Women
 (Autonomous), Affiliated to Osmania University,
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 Mehdiapatnam, Hyderabad

**DEPARTMENT OF
 COMPUTER
 APPLICATIONS
 MCA**


SEMESTER -IV

**Course Structure R21 Batch Onwards
 (Choice Based Credit System)**

Code	Name of the Paper	Hours/week	Credits	Duration of Exam	CIA	ESE	Total
MCAN401B	Big Data Analytics (Professional Elective -III)	3	3	2.5	30	70	100
MCAN402A	Cyber Security (Professional Elective -IV)	3	3	2.5	30	70	100
MCAN403D	Organization Behavior (Open Elective)	2	2	2.5	30	70	100
PROJN411	Project Work	24	12	3	50	100	150
	TOTAL	32	20		140	310	450

SEM-IV: Total Number of Credits: 20

Professional / Open Electives	Course Code	Subjects
Professional Elective - III	MCAN401A	Block Chain Technologies
	MCAN401B	Big Data Analytics (Selected)
	MCAN401C	Cloud Computing
	MCAN401D	Deep Learning
Professional Elective - IV	MCAN402A	Cyber Security(Selected)
	MCAN402B	Digital Forensics
	MCAN402C	Optimization Techniques
	MCAN402D	Enterprise Architecture
Open Elective	MCAN403A	Professional Ethics
	MCAN403B	Constitution of India
	MCAN403C	Disaster Management
	MCAN403D	Organization Behavior (Selected)
	MCAN403E	Intellectual Property & Cyber Law
	MCAN403F	Environmental Science


CHAIRMAN
 Board of Studies (IT)
 Dept. of Computer Science & Eng
 University College of Engineering
 Osmania University, Hyd-50000

Department of Commerce (PG)

St. Ann's College for Women, Mehdiapatnam, Hyderabad.
Autonomous, Affiliated to Osmania University

MCOM



2021-22

UGC Reaccredited with A+ Grade & College with Potential for Excellence by UGC

MCOM301	RMSA	6	4	2.30 HRS	70	30	100
MCOM302	E-Commerce	6	4	2.30 HRS	70 (50E+20LPE)	30	100
MCOM303	Cost Accounting and Control	6	4	2.30 HRS	70	30	100
MCOM304 (F/IB)	Specialization-F IFM: International Financial Management	6	5	2.30 HRS	70	30	100
MCOM305 (F/IB)	Specialization-F SAPM: Security Analysis and Portfolio Management	6	5	2.30 HRS	70	30	100
SMNR311	Seminar	2	1	-----	25(WP)	-	25
	Total		23		435	140	525
MCOM401	QTBD	6	4	2.30 HRS	70	30	100
MCOM402	Business & Corporate Taxation	6	4	2.30 HRS	70	30	100
MCOM403	Strategic Management	6	4	2.30 HRS	70	30	100
MCOM404 (F/IB)	Specialization-F FS: Financial Services	6	5	2.30 HRS	70	30	100
MCOM405 (F/IB)	Specialization-F FD: Financial Derivatives	6	5	2.30 HRS	70	30	100
PRJT411	Project Work	10	4	-----	50VV+ 50D	-	100
SMNR411	Seminar	2	1	-----	25(W)	-	25
	Total		27				625

33	<input type="checkbox"/> Data collection-2 Credits, (50 marks) <input type="checkbox"/> Data Analysis & Interpretation, Thesis writing -2 Credits, (50 marks) <input type="checkbox"/> Presentation, publication and Viva-2 Credits, (50 marks)						
2	*MIDC 301	Needful Nutrition	2	1	10	40	50
		TOTAL	30	21			550
SEMESTER IV							
GENERIC CORE COURSES							
3	MNUT 401	Food service management	4	4	30	70	100
4	MNUT 402	Diabetes patient education or Elective Lactation Counseling techniques	2	2	10	40	50
5	INTP4 II	6 Months Hospital Internship *(8 hrs x 5days =40 hrs)	40	20	170	330	500
		TOTAL					650
		GRAND TOTAL	46	26			2500

PG DIPLOMA R21 -COURSE STRUCTURE

SEMESTER I		Total Marks		Theory		Practical	
Paper	Subject	Th	Pr	External	Internal	External	Internal
Paper 1	Clinical nutrition-I	100	50	70	30	35	15
Paper 2	Clinical nutrition-II	100	50	70	30	35	15
Paper 3	Physiology	100	-	70	30	-	-
Paper 4	Dietetics techniques, Patient counselling & Food service management	100	-	70	30	-	-
Add on course MAOC	Soft Skills	50	-	40	10	-	-
Paper 5	Public health & epidemiology	100	-	70	30	-	-
Hospital Internship	Complete Sem-II Hospital Internship	---	250	---	----	250	-
Total		500	350	-	-	-	-
Grand total		850					

Note: Aggregate Marks for semester I & II adds upto 850 Marks

Part -II Soft skills is not included in the aggregate marks.