



## AMBIGA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

(AFFILIATED TO MADURAI KAMARAJ UNIVERSITY)

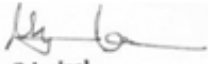
ANNA NAGAR, MADURAI-625 020, TAMIL NADU.

[www.ambigacollege.com](http://www.ambigacollege.com)

1.2.1 Percentage of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented



S. NO	PARTICULAR	PAGE NO
1	Tamil	2-9
2	English	10-12
3	Maths	13-14
4	Maths CA	15-18
5	Physics	19-20
6	Chemistry	21-24
7	Computer Science	25-31
8	Computer Application	32-39
9	Commerce	40-44
10	Commerce with Application	45-46
11	Fashion Technology	47-50
12	Bachelor of Business Administration	51-56
13	Micro Biology	57-60

  
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Anna Nagar, Madurai-625 020

Tamil

பருவம் - VI (SEMESTER - VI)				
Part	Study Component	No of Course	Credit தரப்பள்ளி	HOURS
III	Core Subject - (முதன்மைப் பாடம்)	2	8	10
	14.சங்க இலக்கியம்			
	15. புறப்பொருள் வெண்பாமாலை	2	10	12
	Elective (விரும்பப் பாடங்கள்)			
	2.சுற்றுலாவியல் அல்லது தமிழகக் கோவில் கலைகள் 3.இதழியல் கலை அல்லது போட்டித்தமிழ்	1	2	2
IV	மதிப்புக் கல்வி (Value Education)	3	6	6
	Skill Based Subjects			
	4.பேச்சுக்கலை 5.மொழிப்பயன்பாடு 6.திரைப்படக்கலையும் விமர்சனமும்	1	1	0
		9	27	30

(இளநிலைத் தமிழ் இலக்கியம் - பி.ஏ. தமிழ் (B.A.) பட்டவகுப்பு - பகுதி - 3  
பொது விருப்பப் பாடத் தேர்வு முறைப் பாட அமைப்புகள் (CBCS)  
முதற்பருவம்


- தாள் 1. இக்கால இலக்கியம் (கவிதையும் கதை இலக்கியமும்) - முதன்மைப் பாடம்  
தாள் 2. இலக்கணம் - நன்னூல் (எழுத்து)  
தாள் 3. தமிழக வரலாறும் பண்பாடும் - I - (துணைப்பாடம்)  
தாள் 4. தமிழ் இலக்கிய வரலாறு தாள் - I (பிறகுறை மாணவர்களுக்கான விருப்பப் பாடம்)

இரண்டாம் பருவம்

- தாள் 5. அற இலக்கியம் - முதன்மைப் பாடம்  
தாள் 6. இலக்கணம் - நன்னூல் (சொல்)  
தாள் 7. தமிழக வரலாறும் பண்பாடும் - II - (துணைப் பாடம்)  
தாள் 8. தமிழ் இலக்கிய வரலாறு தாள் - II (பிறகுறை மாணவர்களுக்கான விருப்பப் பாடம்)

மூன்றாம் பருவம்

- தாள் 9. பக்தி இலக்கியம் - முதன்மைப் பாடம்  
தாள் 10. இலக்கணம் - (யாப்பு) - முதன்மைப் பாடம்  
தாள் 11. மக்கள் தகவல் தொடர்பியல் அறிமுகம் - (துணைப் பாடம்)  
தாள் 12. மொழி பெயர்ப்பியல் - (திறன் வளர் அடிப்படைப் பாடம்) -- Skill Based Subjects

  
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பருவம் - IV (SEMESTER - IV)

Part	Study Component	No of Course	Credit தரப்பள்ளி	HOURS
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்)	2	4+4	10
	7.காப்பிய இலக்கியம்			
	8.இலக்கணம் - (அணி)	1	5	6
	Allied Subject			
	4.நாட்டுப்பாடல்			
IV	Skill Based Subjects	1	2	2
	2.அறிவியல் தமிழ்			
V	Extension Activities	1	1	
		7	22	30

பருவம் - V (SEMESTER - V)

Part	Study Component	No of Course	Credit தரப்பள்ளி	HOURS
III	Core Subject - (முதன்மைப் பாடம்)	4	20	20
	9.சிறந்திலக்கியம்			5hrs
	10.பொருள் இலக்கணம் -அகம் (நம்பியகப்பொருள்)			
	11.தமிழ் மொழி வரலாறும் இலக்கண வரலாறும்			
	12.இக்கால மொழியியல்			
	13.திறனாய்வியல்			
	Elective (விருப்பப் பாடங்கள்)	1	5	6
IV	1.கவிஞ்கலைகள் அல்லது கல்வெட்டியல்	1	2	2
	Environmental Studies			
	ஆற்றுச் சூழலியல்	1	2	2
	Skill Based Subjects			
	3.ஆளுமைத் திறன்			
		7	29	30



பருவம் - II (SEMESTER - II)

Part	Study Component	No of Course	Credit தரப்பின்னி	HOURS
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject – (முதன்மைப் பாடம்) 3.அற இலக்கியம் 4.இலக்கணம் - நன்னூல் (சொல்)	2	4+4	10
	Allied Subject 2.தமிழக வரலாறும் பண்பாடும் - II	1	5	6
	Non Major Elective 2.தமிழ் இலக்கிய வரலாறு -II	1	2	2
IV		6	21	30

பருவம் - III (SEMESTER - III)

Part	Study Component	No of Course	Credit தரப்பின்னி	HOURS
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject – (முதன்மைப் பாடம்) 5.பக்தி இலக்கியம் 6.இலக்கணம் - யாப்பு	2	4+4	10
	Allied Subject 3.மக்கள் தகவல் தொடர்பியல் அறிமுகம்	1	5	6
	Skill Based Subjects 1.மொழி பெயர்ப்பியல்	1	2	2
IV		6	21	30



APPENDIX - AD  
**MADURAI KAMARAJ UNIVERSITY**  
*(University with Potential for Excellence)*

இளநிலைத் தமிழ் இலக்கியம் பி.ஏ.தமிழ் (B.A) பட்டவகுப்பு -- பகுதி -3 பொது  
 வீடுப்புப் பாடத் தேர்வு முறைப் பாட அமைப்புகள் (CBCS) பருவமுறை

(2018-2019 கல்வியாண்டு முதல் சேரும் மாணவர்களுக்கு உரியது)  
**பாடத்திட்டம் (SYLLABUS)**

பருவம் - I (SEMESTER - I)

Part	Study Component	No of Course	Credit தரப்பள்ளி	HOURS
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்) 1.இக்கால இலக்கியம் (கவிதைமும் கதை இலக்கியமும்) 2.இலக்கணம் - நன்னூல் (எழுத்து) Allied Subject - (குணைப் பாடம்) 1.தமிழக வரலாற்று பண்பாடும் - I	2	8	10
	Non Major Elective 1.தமிழ் இலக்கிய வரலாறு - I	1	5	6
IV		1	2	2
		6	21	30

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பருவம் - VI (SEMESTER- VI)

Part	Study Component	No of Course	Credit தரப்பள்ளி	Hours
III	Core Subject - (முதன்மைப் பாடம்) 13. சங்க இலக்கியம் 14. இக்கால மொழியியல் Electives (விருப்பப் பாடங்கள்) 2. சுற்றுலாவியல் அல்லது தமிழகக் கோவில் கலைகள் 3. விளம்பரக் கலை அல்லது போட்டித் தமிழ்	2	8	10
IV	மதிப்புக் கல்வி (Value Education) Skill based subjects 4. பேச்சுக்கலை 5. மொழிப்பயன்பாடு 6. திரைப்படக்கலையும் விம்சனமும் Extension activities	1 3 1	2 6 1	2 6 0
V		9	27	30

*Lyka*



பருவம் - IV (SEMESTER- IV)				
Part	Study Component	No of Course	Credit தரப்புள்ளி	Hours
I	Famil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்)	2	4+4	10
	7. காப்பிய இலக்கியம்			
	8. பொருள் இலக்கணம் - (அகம் - நம்பியகப்பொருள்)	1	5	6
	Allied Subject			
IV	4. நாட்டுப்புறவியல்	1	2	2
	Skill Based Subject			
	2. அறிவியல் தமிழ்			
		6	21	30

பருவம் - V (SEMESTER- V)				
Part	Study Component	No of Course	Credit தரப்புள்ளி	Hours
III	Core Subject - (முதன்மைப் பாடம்)	4	20	20
	9. சிற்றிலக்கியம்			
	10. பொருள் இலக்கணம் - (புறம் - புறப்பொருள் வெண்பா மாலை			
	11. தமிழ் இலக்கிய வரலாறு	1	5	6
	12. திறனாய்வியல்			
	Elective (விருப்பப் பாடங்கள்)	1	2	2
IV	1. கவின்கலைகள் அல்லது கல்வெட்டியல்			
	Environmental Studies	1	2	2
	சுற்றுச் சூழலியல்			
	Skill based subjects			
	3. ஆளுமைத்திறன்			
		7	29	30



**பருவம் - II (SEMESTER- II)**

Part	Study Component	No of Course	Credit தரப்புகள்	Hours
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்) 3. அறு இலக்கியம் 4. இலக்கணம் - நன்னூல் (சொல்)	2	4+4	10
IV	Allied Subjects	1	5	6
	2. தமிழக வரலாறும் பண்பாடும் - 2	1	2	2
	Non Major Elective 2. இலக்கிய வரலாறு			
		6	21	30

**பருவம் - III (SEMESTER- III)**

Part	Study Component	No of Course	Credit தரப்புகள்	Hours
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்) 5. பக்தி இலக்கியம் 6. இலக்கணம் - யாப்பு, அணி	2	4+4	10
IV	Allied Subject	1	5	6
	3. மக்கள் தகவல் தொடர்பியல் அறிமுகம்	1	2	2
	Skill based subjects 1. மொழி பெயர்ப்பியல்			
		6	21	30

U4 Tamil old

Placed at the meeting of  
Academic Council  
held on 05.03.2014

APPENDIX – C

MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

(இளநிலைத் தமிழ் இலக்கியம் - பி.ஏ. தமிழ் (B.A.) பட்டவகுப்பு - பகுதி-3  
பொது விருப்பப் பாடத் தேர்வு முறைப் பாட அமைப்புகள் (CBCS)

(இளநிலைத் தமிழ் இலக்கியம் பி.ஏ. தமிழ் (B.A.) பட்ட வகுப்பில்  
2014-2015 கல்வியாண்டு முதல் சேரும் மாணவர்களுக்கு உரியது)  
பாடத்திட்டம் (SYLLABUS)

பருவம் - I (SEMESTER-I)				
Part	Study Component	No of Course	Credit தரப்புள்ளி	HOURS
I	Tamil	1	3	6
II	English	1	3	6
III	Core Subject - (முதன்மைப் பாடம்) 1.இக்கால இலக்கியம் (கவிதையும் கதை இலக்கியமும்) 2.இலக்கணம் - நன்னூல் (எழுத்து)	2	8	10
	Allied Subject - (துணைப் பாடம்) 1.தமிழக வரலாறும் பண்பாடும் - 1	1	5	6
IV	Non Major Elective 1. இதழியல்	1	2	2
		6	21	30



Placed at the meeting of  
Academic Council  
held on 26.03.2018

APPENDIX - B  
**MADURAI KAMARAJ UNIVERSITY**  
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**B.A. English Literature - Semester**

Revised Syllabus for Part III English/Choice Based Credit System)

(For those students who join B.A., Branch XII (b) English Literature from June 2018 and afterwards)

**Objectives:**

1. To enable students to gain proficiency in the use of English language.
2. To expose them to classics in English literature.
3. To enable them gain knowledge of the social and literary history of England, the literary genres, the literary movements, and the various schools of thought in literary criticism.
4. To develop their vocabulary and English language skills so as to enable them perform well in competitive examinations, like Public Service Commission Examination, TOEFL & GRE.
5. To expose them face challenges in mass media.
6. To help the students to develop career-oriented skills through elective courses.
7. To develop the skills the students really like to develop through choice based credit system.
8. To enable the students through skill based elective courses and non-major elective subjects to have a good deal of freedom and to be employable immediately on completion of their degree programme.

**DETAILS OF THE COURSE:**

Semester	Details of the Subject	Hours per week	Marks		Total Marks	Credit
			Int.	Ext.		
I	Part I Language	6	25	75	100	3
	Part II English	6	25	75	100	3
	Part III Core Subject					
	1. Prose	5	25	75	100	4
	2. Short Stories	5	25	75	100	4
	Allied Subject I					
	1. Literary Forms	6	25	75	100	5
	Part IV					
	NME – I Functional English – I	2	25	75	100	2
	Part I – Language	6	25	75	100	3
Part II – English	6	25	75	100	3	



II	<b>Part III Core Subject</b>					
	3. Poetry I	5	25	75	100	4
	4. Fiction	5	25	75	100	4
	<b>Allied Subject II</b>					
	The Social History of England	6	25	75	100	4
III	<b>Part IV</b>					
	NME – 2 Functional English – 2	2	25	75	100	2
	<b>Part I – Language</b>	6	25	75	100	3
	Pat II – English	6	25	75	100	3
	<b>Part III – Core Subject</b>					
	5. Poetry II	5	25	75	100	4
	<b>Allied Subject III</b>					
	Advanced English Grammar and Usage	5	25	75	100	4
	<b>Elective – I</b>					
	History of English Literature I	4	25	75	100	4
	<b>Part IV Skill based Paper I</b>					
	1. Word Power	2	25	75	100	2
2. Creative Writing	2	25	75	100	2	
IV	Part I Language	6	25	75	100	3
	Part II English	6	25	75	100	3
	<b>Part III Core Subject</b>					
	6. Indian Writing	4	25	75	100	4
	7. Twentieth Century Literature	4	25	75	100	4
	<b>Allied Subject IV</b>					
	Phonetics and Spoken English	3	25	75	100	4
	<b>Elective Subject II</b>					
	The History of English Literature – II	3	25	75	100	3
	<b>Part IV – Skill based Paper II</b>					
3. Presentation skills	2	25	75	100	2	
4. Job Seeking Skills	2	25	75	100	2	
V	<b>Part V - Extension Activities</b>					
	<b>Core Subject</b>					
	8. Drama	5	25	75	100	4
	9. American Literature	5	25	75	100	4
	10. New Literatures in English	5	25	75	100	4
	11. Women's writing in English	5	25	75	100	4
	12. Journalism and Mass Communication	3	25	75	100	4
	<b>Elective Subject III</b>					
	Literary Criticism I	5	25	75	100	3
<b>Part IV – Skill based Paper III</b>						
5.Environmental Studies	2	25	75	100	2	

VI	Core Subject					
	13. Shakespeare	5	25	75	100	4
	14. English Language Teaching	5	25	75	100	4
	15. Translation Theory and Practice	5	25	75	100	4
	16. Introduction to Literary Theories	3	25	75	100	3
	17. English for Employment	5	25	75	100	4
	<b>Elective paper IV</b>					
	Literary Criticism II	5	25	75	100	4
	<b>Part IV – Skill based Paper IV</b>					
	5. Value Education	2	25	75	100	2
	Part V – Extension Activities (Internal Examination only)	--	100	--	100	3
		180			140	

**THE SCHEME OF EXAMINATION AND QUESTION PATTERN**

The Internal and External marks may be 25:75

The pattern of Semester End Examination Question Paper will be as follows

Time: 3 Hrs & Max Marks: 75

**Section A: (10 x 1 = 10 Marks)**

Question No.1 to 10 (Multiple Choice)

Two questions from each unit. Three choices in each question.

No 'none of these' choice.

**Section B: (5 x 7 = 35 Marks)**

Answer all questions choosing either (a) or (b)

Answer not exceeding **two pages**.

(One question from each unit) 11 (a) or 11 (b)

12 (a) or 12 (b)

13 (a) or 13 (b)

14 (a) or 14 (b)

15 (a) or 15 (b)

**Section C: (3 x 10 = 30 Marks)**

Answer not exceeding **four pages**.

Answer any **three out of five questions** (one question from each unit)

The pattern for Internal Valuation may be

1. Two tests – 15 marks each Average 15 marks
2. Group Discussion / Seminar / Quiz – 5 marks
3. Two assignments: 5 mark each. Average 5 marks
4. Third test may be allowed for absentees of any one of the two tests.
5. If the college opts for quiz, two quizzes should be conducted.



maths (P6) - 2

**Elective Subjects for M. Sc., Mathematics**

Sem	S.No	Course Title	Credits
I List I	1	Automata Theory	4
	2	Discrete Mathematics	4
	3	Calculus of Variations	4
II List II	4	Galois Theory	4
	5	Integral Transforms	4
	6	Numerical Methods	4
IV List IV	7	Fluid Dynamics	4
	8	Fuzzy Sets and Logic	4
	9	Financial Mathematics	4

**Non-Major Elective Subjects for M. Sc., Mathematics**

Sem	S.No	Course Title	Credits
III List III	1	Statistical Method	4
	2	Quantitative Aptitude	4
	3	Competitive Mathematics	4

Semester	Subject Code	Course Title	Credits
<b>Major Elective</b>			
I		Automata Theory	4
		Discrete Mathematics	4
		Calculus of Variations	4
<b>Major Elective</b>			
II		Galois Theory	4
		Integral Transforms	4
		Numerical Methods	4
<b>Non Major Elective</b>			
III		Statistical Method	4
		Quantitative Aptitude	4
		Competitive Mathematics	4
<b>Major Elective</b>			
IV		Fluid Dynamics	4
		Fuzzy Sets and Logic	4
		Financial Mathematics	4

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New maths (per) - 1

SCHEDULE OF EXAMINATIONS

S. No	Title of the paper	Credits	Contact Hours	Duration of Exams (in hours)	Marks		
					External	Internal	Total
I	Groups and Rings	5	6	3	75	25	100
	Theory of Riemann Integrations	5	6	3	75	25	100
	Ordinary Differential Equations	4	6	3	75	25	100
	Differential Geometry	4	6	3	75	25	100
	Elective I / From list I	4	6	3	75	25	100
II	Linear Algebra	5	6	3	75	25	100
	Real Analysis	5	6	3	75	25	100
	Classical Mechanics	4	6	3	75	25	100
	Partial differential equations	4	6	3	75	25	100
	Elective II / From list II	4	6	3	75	25	100
III	Topology	5	6	3	75	25	100
	Measure Theory	5	6	3	75	25	100
	Graph Theory	5	6	3	75	25	100
	Probability and Statistics	4	6	3	75	25	100
	Non-Major Elective III / list IV	4	6	3	75	25	100
IV	Functional Analysis	5	6	3	75	25	100
	Number Theory and Cryptography	5	6	3	75	25	100
	Complex Analysis	5	6	3	75	25	100
	Operations Research	4	6	3	75	25	100
	Elective IV / From list III	4	6	3	75	25	100

Semester	Parts	Subjects	No. of Courses	Hours per Six Working days	Credits	Max Marks	
VI	III Core Subjects	11. Linear Algebra	1	5	5	100	
		12. Complex Analysis	1	5	5	100	
		13. Statistics	1	5	5	100	
		14. Elective	1	5	4	100	
	Allied Subject II	5. Numerical Methods	1	6	4	100	
		IV Skill Based Subjects	3. Logic and Boolean Algebra	1	2	2	100
	4. Value Education		1	2	2	100	
	Total			7	30	27	700

Semester	Parts	Subjects	No.of. Courses	Hours per Six Working days	Credits	Max Marks
IV	I	Tamil Paper IV	1	6	3	100
	II	English Paper IV	1	6	3	100
	III Core subject	6. Basics of Analysis	1	6	6	100
	Allied Subject I	5. Programming in JAVA 6. Practical in JAVA	2	6	3 + 1	100+ 100
	Allied Subject II	2. Programming in C++ + Practical	2	6	3 - 1	100+ 100
		3. Extension Activities	1		1	
		Total	8	30	21	700

Semester	Parts	Subjects	No.of. Courses	Hours per Six Working days	Credits	Max Marks
V	III Core Subjects	7. Modern Algebra	1	5	5	100
		8. Real Analysis	1	5	5	100
		9. Fundamentals of Statistics	1	5	5	100
		10. Operations Research	1	5	5	100
	Allied Subject II	4. Graph Theory	1	6	4	100
	IV Skill Based Subjects	1. Fourier Series and Laplace Transform	1	2	2	100
		2. Environmental Studies	1	2	2	100
		Total	7	30	28	700



Semester	Parts	Subjects	No.of Courses	Hours per Six Working days	Credits	Max Marks
II	I	Tamil Paper II	1	6	3	100
	II	English Paper II	1	6	3	100
	III Core Subjects	3. Differential Equations	1	5	5	100
		4. Analytical Geometry of 3D and Vector Calculus	1	5	5	100
	Allied Subject I	2. Database management system 3. Practical	2	6	3 + 1	100+ 100
	IV Non Major Elective	Quantitative Aptitude	1	2	2	100
		Total	7	30	22	700

Semester	Parts	Subjects	No.of Courses	Hours per Six Working days	Credits	Max Marks
III	I	Tami Paper III	1	6	3	100
	II	English Paper III	1	6	3	100
	III Core subject	5. Mechanics	1	6	6	100
	Allied Subject I	4. Visual Programming	1	6	4	100
	Allied Subject II	1. Programming in C	1	6	4	100
		Total	5	30	20	500

New Maths (20)

**15. REVALUATION PROVISION**

Candidates may apply for revaluation of the paper which was already valued, within ten days from the date of publication of the result in the university website along with required forms and fees.

**16. TEACHING METHODOLOGY**

Each subject is designed with lectures/assignments/peer team teaching/seminar etc. to meet effective teaching and learning.

**17. TEXT BOOKS**

List of text books will be given at the end of the syllabus of the each subject.

**18. REFERENCE BOOKS**

List of reference books are followed by the list of text books.

**19. RE-TOTALING AND REVALUATION PROVISION**

Students may apply for re-totaling and revaluation after declaration of result within 15 days.

**20. TRANSITORY PROVISION**

The candidates of previous syllabus scheme may be permitted to write exams in their own schemes up to the examinations of April 2020 as a transitory provision.

**Subjects of Study in B. Sc (Mathematics)**

Semester	Parts	Subjects	No.of Courses	Hours per Six Working days	Credits	Max. Marks	
I	I	Tamil Paper I	1	6	3	100	
	II	English Paper I	1	6	3	100	
	III Core Subjects	1	Calculus	1	5	5	100
		2	Theory of Equations and Trigonometry	1	5	5	100
	IV Allied Subject I	1.	Fundamentals of Computers	1	6	4	100
	IV Non Major Elective		Fundamentals of Mathematics	1	2	2	100
			Total	6	30	22	600



SEMESTER - 4

S.No.	Part	Subject	Hours	Credit
1.	III	Optics and Spectroscopy - CS4	4	4
2.	III	Physics Practical - 2	2*	2
3.	III	Allied Paper Maths - 4	4+2*	4+1*(P)
4.	III	Allied Chemistry/Applied Electronics - 2	4+2*	4+1*(P)

SEMESTER - 5

S.No.	Part	Subject	Hours	Credit
1.	III	Atomic Physics and Q.M - CS5	4+2*(P)	4
2.	III	Nuclear Physics - CS6	4+3*(P)	4
3.	III	Analog Electronics - CS7	4+3*(P)	4
4.	III	Allied Chemistry/Applied Electronics - 3	4+2*(P)	4
5.	IV	Bio - Medical Instrumentation SB - 5	2	2
6.	IV	Environmental Studies <i>CL</i>	2	2

SEMESTER - 6

S.No.	Part	Subject	Hours	Credit
1.	III	Classical and Statistical Mechanics CS8	4	4
2.	III	Material Science CS9	4	4
3.	III	Digital Electronics CS10	4	4
4.	III	Physics Practical - 3,4&5	2+3+3	5+5+5
5.	III	Allied Chemistry/Applied Electronics - 4	4+2*(P)	4+1(P)
6.	III	Opto - Electronics SB-6	2	2
7.	IV	Value Education	2	2
8.	V	Extension Activities	0	1

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UG Physics - Old

SEMESTER - 1

S.No.	Part	Subject	Hours	Credit
1.	III	Mechanics and Relativity CS1	4+2*(P)	4
2.	III	Allied Paper Maths - I	4+2*(P)	4
3.	IV	Properties of Matter SB 1	2	2
4.	IV	'C' Programming - I, SB 2	2	2
5.	IV	Non - Major Elective NME I Basic Physics - I <i>Fur</i>	2	2 (14)

- Basic Physics I as NME for those who study other than Physics

SEMESTER - 2

S.No.	Part	Subject	Hours	Credit
1.	III	Electricity - CS2	4	4
2.	III	Physics Practical - I	2*(P)	2
3.	IV	Allied Paper Maths - 2	4+2	4+1*(P)
4.	IV	Thermal Physics SB 3	2	2
5.	IV	'C' Programming - II SB 4	2	2
6.	IV	Non-Major Elective NME 2. Basic Physics - II	2	2 (17)

- Basic Physics II as NME for those who study other than Physics

SEMESTER - 3

S.No.	Part	Subject	Hours	Credit
1.	III	Electro Magnetism - CS3.	4+2*(P)	4
2.	III	Allied Paper Maths 3	4+2*(P)	4
3.	III	Allied Paper Chemistry/Applied Electronics	4+2*(P)	4 (12)



## Chemistry

IV	Environmental Studies	1	2	
	<b>Skill based Subject</b> Pharmaceutical & Medicinal Chemistry	1	2	
Total		10	20	3

### VI Semester

Part	Study component	No. of Course	Credits	Hours
III	Organic Chemistry –III(Cr.8) Physical Chemistry – III(Cr.9) Applied Chemistry – III(Cr.10)	3	12	12
	Core practicals-3, 4 and 5	3	15	8
	Allied Subject - II – paper 4 <small>CPET 10% 50% 40%</small>	1	4	4
	Allied Subject –II- practical-2	1	1	2
IV	Value Education	1	2	2
	<b>Skill based subject</b> Medical Laboratory Technology & Bio Chemistry	1	2	2
V	Extension Activities - NSS to IV Sem.)	1	1	0
Total		11	37	30

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### IV Semester

Part	Study component	No. of Course	Credits	Hours
I	Tamil /Other Languages	1	3	6
II	English	1	3	6
	Core Subject -4	1	4	4
	Inorganic Chemistry – II	1	2	2
	Core practical-2			
	Allied Subject – I - paper 4	1	4	4
	Allied Subject -I- practical- 2	1	1	2
	Allied Subject - II - paper 2	1	4	4
	Allied Subject -II- practical- 1	1	1	2
Total		8	22	30
	+ NSS - Extension activities -	1	1	0

### V Semester

Part	Study component	No. of Course	Credits	Hours
III	Organic Chemistry - II(Cr.-5) SCH8C51	3	12	12
	Physical Chemistry –II(Cr.-6) S2			
	Inorganic, Analytical and Applications of Computers in Chemistry } S3			
	-III(Cr-7)	3	-	8
	Core practicals-3,4 and 5			
	Allied Subject - II - paper 3	1	4	4
	Allied Subject –II- practical-2	1	-	2



IV	<b>Skill Based Subject</b>			
	1. Leather Technology	1	2	2
	2. Paper and Pulp Technology	1	2	2
	<b>Non Major Elective</b>			
	Drugs and cosmetics	1	2	2
Total		9	23	30

SCSGN21

Introduction to internet

### III Semester

Part	Study component	No. of Course	Credits	Hours
I	Tamil /Other Languages	1	3	6
II	English	1	3	6
III	Core subject -3	1	4	4
	Physical Chemistry -I			
	Core practical-II	1	-	2
	Allied Subject - I - paper 3	1	4	4
	Allied Subject -I- practical-2	1	-	2
	Allied Subject -II - paper 1	1	4	4
	Allied Subject -II- practical -1	1	-	2
Total		8	18	30

17-18

UG Chemistry old.

## I Semester

Part	Study component	No. of Course	Credits	Hours
I	Tamil /Other Languages UTMELII	1	3	6
II	English VENEEII	1	3	6
III	<b>Core subject- I</b> Inorganic Chemistry - I	1	4	4
	Core practical-I	1	-	2
	Allied Subject - I - paper 1 A MLI	1	4	4
	Allied Subject -I- practical-I A	1	-	2
IV	<b>Skill based subject</b> 1. Sugar Technology 2. Perfume Chemistry	1	2	2
		1	2	2
	<b>Non Major Elective</b> Industrial Chemistry	1	2	2
Total	SCSGNII	9	20	30

NME - Tamigh-

## II Semester

Part	Study component	No. of Course	Credits	Hours
I	Tamil /Other Languages	1	3	6
II	English	1	3	6
III	<b>Core subject- 2</b> Organic Chemistry - I	1	4	4
	Core practical-I	1	2	2
	Allied Subject - I - paper 2 Mokub	1	4	4
	Allied Subject -I - practical-I	1	1	2

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V SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Relational Database Management Systems	5	4	25	75
2	CS12	Operating System	5	4	25	75
3	CS13	Software Engineering	5	4	25	75
4	CS14	Lab 9 : Relational Database Management Systems	6	4	40	60
5	ES1	1. Client Server Computing 2. Android Programming 3. Theory of Computation	5	4	25	75
6	EVS	Environmental Studies	2	2	25	75
7	SBS5	Lab 10: Python Programming	2	2	40	60
		Total	30	24		

VI SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Data Communication and Computer Networks	5	4	25	75
2	CS16	Lab 11 : Web Technology	6	4	40	60
3	CS17	Data Mining	5	4	25	75
4	ES2	1. Computer Graphics 2. Compiler design 3. Information Security	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education	2	2	25	75
7	SBS6	Quantitative Aptitude	2	2	25	75
		Total	30	25		

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**III SEMESTER**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T3	Tamil	6	3	25	75
2	E3	English	6	3	25	75
3	CS5	Data Structures and Computer Algorithms	4	4	25	75
4	CS6	Lab 5 : Data Structures and Computer Algorithms	4	3	40	60
5	CS7	Digital Principles and Computer Organization	4	4	25	75
6	AS3	Resource Management Techniques	4	4	25	75
7	SBS3	Lab 6: Multimedia	2	2	40	60
		Total	30	23		

**IV SEMESTER**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T4	Tamil	6	3	25	75
2	E4	English	6	3	25	75
3	CS8	Java Programming	4	4	25	75
4	CS9	Lab 7: Java Programming	4	3	40	60
5	CS10	System Software	4	4	25	75
6	AS4	Numerical Methods	4	4	25	75
7	SBS4	Lab 8: PHP Programming	2	2	40	60
8	EA	Extension Activities		1	100	
		Total	30	24		



I SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T1	Tamil	6	3	25	75
2	E1	English	6	3	25	75
3	CS1	Programming in C	4	4	25	75
4	CS2	Lab 1 : Programming in C	6	4	40	60
5	AS1	Mathematical Foundations I	4	4	25	75
6	SBS1	Lab 2: Office Automation	2	2	40	60
7	NME1	Introduction to Computers and Office Automation	2	2	25	75
		Total	30	22		

II SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T2	Tamil	6	3	25	75
2	E2	English	6	3	25	75
3	CS3	Object Oriented Programming with C++	4	4	25	75
4	CS4	Lab 3: Object Oriented Programming with C++	6	4	40	60
5	AS2	Mathematical Foundations II	4	4	25	75
6	SBS2	Lab 4: Linux Programming	2	2	40	60
7	NME2	Introduction to Internet	2	2	25	75
		Total	30	22		



**Appendix – CS1**  
**(Subject/Structure of Course Study)**

Sem.	Subjects							Total Hours	Total Credits
I	T1(6) [3]	E1(6) [3]	CS1(4) [4]	CS2(6) [4]	AS1(4) [4]	SBS1(2) [2]	NME1(2) [2]	30	22
II	T2(6) [3]	E2(6) [3]	CS3(4) [4]	CS4(6) [4]	AS2(4) [4]	SBS2(2) [2]	NME1(2) [2]	30	22
III	T3(6) [3]	E3(6) [3]	CS5(4) [4]	CS6(4) [3]	CS7(4) [4]	AS3(4) [4]	SBS3(2) [2]	30	23
IV	T4(6) [3]	E4(6) [3]	CS8(4) [4]	CS9(4) [3]	CS10(4) [4]	AS4(4) [4]	SBS4(2) [2]	30	23
V	CS11(5) [4]	CS12(5) [4]	CS13(5) [4]	CS14(6) [4]	ES1(5) [4]	EVS(2) [2]	SBS5(2) [2]	30	24
VI	CS15(5) [4]	CS16(6) [4]	CS17(5) [4]	ES2(5) [4]	ES3(5) [5]	VE(2) [2]	SBS6(2) [2]	30	25
Extension Activity									1
<b>TOTAL CREDITS</b>									<b>140</b>

- ( ) – Number of Hours      [ ] – Number of Credits
- |                             |                           |
|-----------------------------|---------------------------|
| T - Tamil                   | E - English               |
| CS - Core Subject           | AS - Allied Subject       |
| SBS - Skill Based Subject   | NME - Non Major Elective  |
| ES - Elective Subject       | VE - Value Education      |
| EVS - Environmental Studies | EA - Extension Activities |



III SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T3	Tamil	6	3	25	75
2	E3	English	6	3	25	75
3	CS5	Data Structures and Computer Algorithms	4	4	25	75
4	CS6	Lab 5 : Data Structures and Computer Algorithms	4	3	40	60
5	CS7	Digital Principles and Computer Organization	4	4	25	75
6	AS3	Resource Management Techniques	4	4	25	75
7	SBS3	Lab 6: Multimedia	2	2	40	60
		Total	30	23		

IV SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T4	Tamil	6	3	25	75
2	E4	English	6	3	25	75
3	CS8	Java Programming	4	4	25	75
4	CS9	Lab 7: Java Programming	4	3	40	60
5	CS10	System Software	4	4	25	75
6	AS4	Numerical Methods	4	4	25	75
7	SBS4	Lab 8: PHP Programming	2	2	40	60
8	EA	Extension Activities		1	100	
		Total	30	24		



I SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T1	Tamil	6	3	25	75
2	E1	English	6	3	25	75
3	CS1	Programming in C	4	4	25	75
4	CS2	Lab 1 : Programming in C	6	4	40	60
5	AS1	Mathematical Foundations I	4	4	25	75
6	SBS1	Lab 2: Office Automation	2	2	40	60
7	NME1	Introduction to Computers and Office Automation	2	2	25	75
		Total	30	22		

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VE

II SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T2	Tamil	6	3	25	75
2	E2	English	6	3	25	75
3	CS3	Object Oriented Programming with C++	4	4	25	75
4	CS4	Lab 3: Object Oriented Programming with C++	6	4	40	60
5	AS2	Mathematical Foundations II	4	4	25	75
6	SBS2	Lab 4: Linux Programming	2	2	40	60
7	NME2	Introduction to Internet	2	2	25	75
		Total	30	22		

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CS new syllabus - P17 (1)

CS new

**Appendix - CS1**  
**(Subject/Structure of Course Study)**

Sem.	Subjects							Total Hours	Total Credits
I	T1(6) [3]	E1(6) [3]	CS1(4) [4]	CS2(6) [4]	AS1(4) [4]	SBS1(2) [2]	NME1(2) [2]	30	22
II	T2(6) [3]	E2(6) [3]	CS3(4) [4]	CS4(6) [4]	AS2(4) [4]	SBS2(2) [2]	NME1(2) [2]	30	22
III	T3(6) [3]	E3(6) [3]	CS5(4) [4]	CS6(4) [3]	CS7(4) [4]	AS3(4) [4]	SBS3(2) [2]	30	23
IV	T4(6) [3]	E4(6) [3]	CS8(4) [4]	CS9(4) [3]	CS10(4) [4]	AS4(4) [4]	SBS4(2) [2]	30	23
V	CS11(5) [4]	CS12(5) [4]	CS13(5) [4]	CS14(6) [4]	ES1(5) [4]	EVS(2) [2]	SBS5(2) [2]	30	24
VI	CS15(5) [4]	CS16(6) [4]	CS17(5) [4]	ES2(5) [4]	ES3(5) [5]	VE(2) [2]	SBS6(2) [2]	30	25
Extension Activity									1
TOTAL CREDITS									140

- |                             |                           |
|-----------------------------|---------------------------|
| ( ) - Number of Hours       | [ ] - Number of Credits   |
| T - Tamil                   | E - English               |
| CS - Core Subject           | AS - Allied Subject       |
| SBS - Skill Based Subject   | NME - Non Major Elective  |
| ES - Elective Subject       | VE - Value Education      |
| EVS - Environmental Studies | EA - Extension Activities |

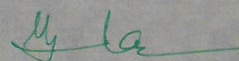


**III SEMESTER**

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	CS5	Introduction to Object Oriented Programming and C++	6	4	3	25	75	100
2	CS6	Lab 3: Object Oriented Programming with C++	6	4	3	25	75	100
3	CS7	Database Management System	6	4	3	25	75	100
4	CS8	Lab 4: Database Management System Lab	6	4	3	25	75	100
5	AS3	Computer based Financial Accounting	4	5	3	25	75	100
6	SBS1	Office Automation	2	2		25	75	100
		TOTAL	30	23				

**IV SEMESTER**

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	CS9	Java Programming	6	4	3	25	75	100
2	CS10	Lab 5 : Programming with Java	6	4	3	25	75	100
3	CS11	Computer Graphics	6	4	3	25	75	100
4	CS12	Lab 6 : Computer Graphics and Multimedia Lab	6	4	3	25	75	100
5	AS4	Principles of Costing	4	5	3	25	75	100
6	SBS2	Numerical Aptitude	2	2		25	75	100
		TOTAL	30	23				



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**I SEMESTER**

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	T1	Tamil	6	3	3	25	75	100
2	E1	English	6	3	3	25	75	100
3	CS1	Programming with C	6	4	3	25	75	100
4	CS2	Lab 1 : C Programming Lab	6	4	3	25	75	100
5	AS1	Discrete Mathematics	4	5	3	25	75	100
6	NME1	Non Major Elective I	2	2	3	25	75	100
		TOTAL	30	21				

**II SEMESTER**

Sl.No		Subject	Hours	Credits	Duration of Exam in hours	Internal Marks	External Marks	Total Marks
1	T2	Tamil	6	3	3	25	75	100
2	E2	English	6	3	3	25	75	100
3	CS3	Digital Computer Architecture	6	4	3	25	75	100
4	CS4	Lab 2: Digital Electronics Lab	6	4	3	25	75	100
5	AS2	Resource Management Techniques	4	5	3	25	75	100
6	NME2	Non Major Elective II	2	2	3	25	75	100
		TOTAL	30	21				

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### V SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Relational Database Management Systems	5	4	25	75
2	CS12	Data Communication and Computer Networks	5	4	25	75
3	CS13	Operating System	5	4	25	75
4	CS14	Lab 9 : Relational Database Management Systems	6	4	40	60
5	ES1	1. Mobile Computing 2. Web Technology 3. Information Security	5	4	25	75
6	EVS	Environmental Studies	2	2	25	75
7	SBS5	Lab 10 : Networking	2	2	40	60
		Total	30	24		

### VI SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Dot Net Programming	5	4	25	75
2	CS16	Lab 11 : Dot Net Programming	6	4	40	60
3	CS 17	Software Engineering	5	4	25	75
4	ES2	1. Data Mining 2. Compiler design 3. Cryptography & Network Security	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education	2	2	25	75
7	SBS6	Quantitative Aptitude	2	2	25	75
		Total	30	25		



### III SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T3	Tamil	6	3	25	75
2	E3	English	6	3	25	75
3	CS5	Java Programming	4	4	25	75
4	CS6	Lab 5: Java Programming	4	3	40	60
5	CS7	Digital Principles and Computer organization	4	4	25	75
6	AS3	Computer Based Financial Accounting	4	4	25	75
7	SBS3	Lab 6: Business Accounting	2	2	40	60
		Total	30	23		

### IV SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	T4	Tamil	6	3	25	75
2	E4	English	6	3	25	75
3	CS8	Data Structures and Computer Algorithms	4	4	25	75
4	CS9	Lab 7: Data Structures and Computer Algorithms	4	3	40	60
5	CS10	Computer Graphics	4	4	25	75
6	AS4	Principles of Costing	4	4	25	75
7	SBS4	Lab 8: Multimedia	2	2	40	60
8	EA	Extension Activities		1	100	
		Total	30	24		



**Appendix – CA1**  
**(Subject/Structure of Course Study)**

Sem.	Subjects							Total Hours	Total Credits
I	T1(6) [3]	E1(6) [3]	CS1(4) [4]	CS2(6) [4]	AS1(4) [4]	SBS1(2) [2]	NME1(2) [2]	30	22
II	T2(6) [3]	E2(6) [3]	CS3(4) [4]	CS4(6) [4]	AS2(4) [4]	SBS2(2) [2]	NME1(2) [2]	30	22
III	T3(6) [3]	E3(6) [3]	CS5(4) [4]	CS6(4) [3]	CS7(4) [4]	AS3(4) [4]	SBS3(2) [2]	30	23
IV	T4(6) [3]	E4(6) [3]	CS8(4) [4]	CS9(4) [3]	CS10(4) [4]	AS4(4) [4]	SBS4(2) [2]	30	23
V	CS11(5) [4]	CS12(5) [4]	CS13(5) [4]	CS14(6) [4]	ES1(5) [4]	EVS(2) [2]	SBS5(2) [2]	30	24
VI	CS15(5) [4]	CS16(6) [4]	CS17(5) [4]	ES2(5) [4]	ES3(5) [5]	VE(2) [2]	SBS6(2) [2]	30	25
Extension Activities									1
<b>TOTAL CREDITS</b>									<b>140</b>

**Abbreviations:**

( )	-	Number of Hours	[ ]	-	Number of Credits
T	-	Tamil;	E	-	English
CS	-	Core Subject	AS	-	Allied Subject
SBS	-	Skill Based Subject	NME	-	Non Major Elective
ES	-	Elective Subject	VE	-	Value Education
EVS	-	Environmental Studies	EA	-	Extension Activity



### V SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Database Management Systems	5	4	25	75
2	CS12	Software Engineering	5	4	25	75
3	CS13	Dot Net Programming	5	4	25	75
4	CS14	Lab 9 : Dot Net Programming(VB.Net)	6	4	40	60
5	ES1	1. Client / Server System 2. Soft Computing 3. Information Security	5	4	25	75
6	EVS	Environmental Studies	2	2	25	75
7	SBS5	Lab 10 :PHP and MySQL	2	2	40	60
Total			30	24		

### VI SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Computer Networks	5	4	25	75
2	CS16	Web Programming	6	4	40	60
3	CS 17	Lab 11 : Web Programming	5	4	25	75
4	ES2	1. Data Mining 2. Mobile Computing 3. Software Testing and Quality Assurance	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education	2	2	25	75
7	SBS6	Mobile Application Development	2	2	25	75
Total			30	25		

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### III SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	T3	Tamil	6	3	25	75
2	E3	English	6	3	25	75
3	CS5	Java Programming	4	4	25	75
4	CS6	Lab 5: Java Programming	4	3	40	60
5	CS7	Digital Principles and Computer organization	4	4	25	75
6	AS3	E - Commerce	4	4	25	75
7	SBS3	Lab 6:Script Programming (HTML/Javascript/VBscript)	2	2	40	60
Total			30	23		

### IV SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	T4	Tamil	6	3	25	75
2	E4	English	6	3	25	75
3	CS8	Data Structures and Computer Algorithms	4	4	25	75
4	CS9	Lab 7: Data Structures and Computer Algorithms	4	3	40	60
5	CS10	Operating Systems	4	4	25	75
6	AS4	Computer Graphics and Multimedia	4	4	25	75
7	SBS4	Lab 8:Linux Programming	2	2	40	60
Total			30	23		



BCA syllabus

### I SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	T1	Tamil	6	3	25	75
2	E1	English	6	3	25	75
3	CS1	Fundamentals of Computer and C Programming	4	4	25	75
4	CS2	Lab 1 : Programming in C	6	4	40	60
5	AS1	Discrete Mathematics	4	4	25	75
6	SBS1	Lab 2 : Office Automation Lab	2	2	40	60
7	NME1	Computer Fundamentals	2	2	25	75
Total			30	22		

### II SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	T2	Tamil	6	3	25	75
2	E2	English	6	3	25	75
3	CS3	Object Oriented Programming with C++	4	4	25	75
4	CS4	Lab 3: Problem solving using C++	6	4	40	60
5	AS2	Computer based Financial accounting	4	4	25	75
6	SBS2	Lab 4 : Business accounting	2	2	40	60
7	NME2	Internet applications	2	2	25	75
Total			30	22		



V SEMESTER

S.No	Part	Title Of the Paper	Hours /Week	Credit	Internal	External	Maximum Marks
1	III	Financial Accounting - V	5	4	25	75	100
2	III	Business Laws	5	4	25	75	100
3	III	Income Tax Law and Practice - I	5	4	25	75	100
4	III	Entrepreneurship Development	5	4	25	75	100
5	III	Elective: I (Any one subject from A)	6	5	25	75	100
6	IV	Environmental Studies (5 years) UVEJ VII	2	2	25	75	100
7	IV	Export - Import Procedures and Documentation	2	2	25	75	100
			30	25			

VI SEMESTER

S.No	Part	Title Of the Paper	Hours/ Week	Credit	Internal	External	Maximum Marks
1	II	Industrial relations and Labour Laws	5	4	25	75	100
2	III	Income Tax Law and Practice - II	5	4	25	75	100
3	III	Elective II (Any one subject from B)	6	5	25	75	100
4	III	Elective III (Any one subject from C)	6	5	25	75	100
5	IV	Value Education UVEJ D21 (2 yr)	2	2	25	75	100
6	IV	Ms office and Tally - Theory	2	2	25	75	100
7	IV	Ms office and Tally - Lab	2	2	25	75	100
8	IV	Commerce Practical	2	2	25	75	100
			30	26			

Extension Activities - 1 Credit



### III SEMESTER

S.No	Part	Title Of the Paper	Hours/ Weak	Credit	Internal	External	Maximum Marks
1	III	Banking Theory Law & Practice	5	4	25	75	100
2	III	Fundamentals of Company Law	5	4	25	75	100
3	III	Financial Accounting III	6	4	25	75	100
4	III	Business statistics	6	5	25	75	100
5	III	Cost Accounting	6	4	25	75	100
6	IV	Fundamentals of Computer (Skill Based)	2	2	25	75	100
			30	23			

### IV SEMESTER

S.No	Part	Title Of the Paper	Hours/ Weak	Credit	Internal	External	Maximum Marks
1	III	Auditing	5	4	25	75	100
2	III	Business Mathematics	6	5	25	75	100
3	III	Management Accounting	6	4	25	75	100
4	III	Financial Accounting IV	6	4	25	75	100
5	III	Services Marketing	5	4	25	75	100
6	IV	Goods and Services Tax	2	2	25	75	100
			30	23			

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**COURSE STRUCTURE AND SCHEME OF EXAMINATION – SEMESTER WISE**  
**I SEMESTER**

S.No	Part	Title Of the Paper	Hours/ Weak	Credit	Internal	External	Maximum Marks
1	I	Tamil/Malayalam/Hindi/ Arabic/French or வணிக சொத்துத் தொழில்கள் UVRJ11	6	3	25	75	100
2	II	English – I UENJE11	6	3	25	75	100
3	III	Managerial Economics CCRJA11	6	5	25	75	100
4	III	Marketing CCRJC11	5	4	25	75	100
5	III	Financial Accounting - I CCRJC12	5	4	25	75	100
6	IV	Non – Major Elective – Business Accounting	2	2	25	75	100
		Hindi I - UHNJL11	30	21			

**II SEMESTER**

S.No	Part	Title Of the Paper	Hours/ Weak	Credit	Internal	External	Maximum Marks
1	I	Tamil/Malayalam/Hindi/ Arabic/French or வணிக சொத்துத் தொழில்கள் நடைமுறைகளும் UVRJC21	6	3	25	75	100
2	II	English – II UENJE21	6	3	25	75	100
3	III	Economic Development of India CORJA11	6	5	25	75	100
4	III	Principles of Management CCRJC21	5	4	25	75	100
5	III	Financial Accounting II CCRJC22	5	4	25	75	100
6	IV	Non – Major Elective – Advertising and Salesmanship	2	2	25	75	100
		Hindi II - UHNJL21	30	21			



	III	Financial Accounting III	6	5	25	75	100
	III	Business Statistics	6	4	25	75	100
	III	Cost Accounting	6	4	25	75	100
6.	IV	Retail Marketing	2	2	25	75	100

#### IV SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Introduction to visual Programming	5	4	25	75	100
2.	III	Visual Programming Lab	6	4	25	75	100
3.	III	Banking Theory, Law and Practice.	5	4	25	75	100
4.	III	Business Mathematics	6	4	25	75	100
5.	III	Financial Accounting IV	6	5	25	75	100
6.	IV	Goods and Services Tax	2	2	25	75	100

#### V SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Financial Accounting – V	6	5	25	75	100
2.	III	Business Laws	5	4	25	75	100
3.	III	Income tax Law and Practice I	5	5	25	75	100
4.	III	Introduction to Multimedia and DTP	5	4	25	75	100
5.	III	Multimedia and DTP Lab	5	4	25	75	100
6.	IV	Environmental Studies (Skill based)	2	2	25	75	100
7.	IV	Export – Import Procedures and Documentation (Skill based)	2	2	25	75	100

#### VI SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Labour Laws	6	4	25	75	100
2.	III	Income tax Law and Practice II	6	5	25	75	100
3.	III	Fundamentals of Internet and Web Technologies	5	4	25	75	100
4.	III	Project work and on the Job Training (Viva – Voce)	5	4	25	75	100
5.	IV	Value Education (Skill Based)	2	2	25	75	100
6.	IV	Commerce Practical (Skill Based)	2	2	25	75	100
7.	IV	Tally – Lab (Skill Based)	2	2	25	75	100
8.	IV	E – Commerce (Skill Based)	2	2	25	75	100



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## COURSE STRUCTURE AND SCHEME OF VALUATION SEMESTER WISE

### I SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	I	Tamil / Malayalam/Arabic/ French or வணிக கடிதத் தொடர்புகள்	6	3	25	75	100
2.	II	English I	6	3	25	75	100
3.	III	Introduction to PC Software and MS-Office	5	4	25	75	100
4.	III	MS – Office Lab	5	4	25	75	100
5.	III	Financial Accounting I	6	5	25	75	100
6.	IV	Non-Major Elective Business Accounting. <i>EAS</i>	2	2	25	75	100

### I SEMESTER

*Value Education*

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	I	Tamil / Malayalam/Arabic/ French or காய்டு கோட்பாடுகளும் நடைமுறைகளும்	6	3	25	75	100
2.	II	English II	6	3	25	75	100
3.	III	Business Application Programming	5	4	25	75	100
4.	III	Business Application Programming Lab	5	4	25	75	100
5.	III	Financial Accounting II	6	5	25	75	100
5.	IV	Non-Major Elective Advertising and Salesmanship	2	2	25	75	100

### I SEMESTER

*Environmental Studies*

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
	III	Data base Application	5	4	25	75	100
	III	Data base Application Lab	5	4	25	75	100



## IV SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	I	Introduction to Visual Programming	5	4	25	75	100
2.	I	Visual Programming – Lab	6	4	25	75	100
3.	I	Banking Theory, Law and Practice	5	4	25	75	100
4.	III	Business Mathematics	6	4	25	75	100
5.	III	Financial Accounting - IV	6	5	25	75	100
6.	IV	International Trade (Skill based)	2	2	25	75	100

## V SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	III	Financial Accounting – V	6	5	25	75	100
2.	III	Business Laws	5	4	25	75	100
3.	III	Income Tax Law and Practice I	5	5	25	75	100
4.	III	Introduction to Multimedia and DTP	5	4	25	75	100
5.	III	Multimedia Application – Lab	5	4	25	75	100
6.	IV	Environmental studies (Skill based)	2	2	25	75	100
7.	IV	Export - Import Procedures and Documentation (Skill based)	2	2	25	75	100

## VI SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	III	Labour Laws	6	4	25	75	100
2.	III	Income Tax Law and Practice II	6	5	25	75	100
3.	III	Fundamentals of Internet and Web Technologies	5	4	25	75	100
4.	III	Project work and On the Job Training (Viva - Voce)	5	4	25	75	100
5.	IV	Value Education (Skill based)	2	2	25	75	100
6.	IV	Commerce Practicals (Skill based)	2	2	25	75	100
7.	IV	MS Office & Tally - Lab (Skill based)	2	2	25	75	100
8.	IV	Information Technology (Skill based)	2	2	25	75	100

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**COURSE STRUCTURE AND SCHEME OF VALUATION**

**SEMESTER WISE**

**I SEMESTER**

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	I	Tamil/Malayalam/Arabic/French or வணிக கடிதத் தொடர்புகள்	6	3	25	75	100
2.	II	English I	6	3	25	75	100
3.	III	Introduction to PC Software and MS-Office	5	4	25	75	100
4.	III	PC Software and MS-Office – Lab	5	4	25	75	100
5.	III	Financial Accounting – I	6	5	25	75	100
6.	IV	Non Major Elective - Business Accounting	2	2	25	75	100

**II SEMESTER**

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	I	Tamil/Malayalam/Arabic/French or காம்பீடு கோட்பாடுகளும் நடைமுறைகளும்.	6	3	25	75	100
2.	II	English II	6	3	25	75	100
3.	III	Business Application Programming	5	4	25	75	100
4.	III	Business Application Programming – Lab	5	4	25	75	100
5.	III	Financial Accounting – II	6	5	25	75	100
6.	IV	Non Major Elective - Advertising and Salesmanship	2	2	25	75	100

**III SEMESTER**

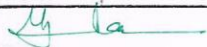
S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	III	Database Applications	5	4	25	75	100
2.	III	Database Applications (ORACLE)- Lab	5	4	25	75	100
3.	III	Financial Accounting – III	6	5	25	75	100
4.	III	Business Statistics	6	4	25	75	100
5.	III	Cost Accounting	6	4	25	75	100
6.	IV	Retail Marketing (Skill based)	2	2	25	75	100



Fashion Technology

I SEMESTER

Part	Study Component	No of Cours	Credit	Hours
	<b>Core Subject</b> Consumer Behavior And Retail Management	1	2+2.5	2+1
	Art Portfolio Presentation	1	2+2.5	2+2
	Functional Clothing	1	2+2.5	2+2
Optional	Home Textiles	1	2+2.5	2+1
	Technical Textiles	1	2+2.5	2+1
	Accounting & Business Management	1	2+2.5	2+1
	<b>Allied Subject II</b> Entrepreneurship Development	2	4+1	4+2 (P)
IV	Value education	1	2	2
	<b>Skill Based subject</b> Advanced Computer applications in clothing - Practical	1	2	2
V	Extension Activities	1	1	0
Total		11	37	30



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IV SEMESTER				
I	Tamil / Other Languages	1	3	6
II	English	1	3	6
III	Core Subject Designing and constructing Women's Clothes	2	4+2	4+2(P)
	Allied subject - I Textile Science - Knitted Fabric	2	4+1	4+2(p)
	Allied subject II Apparel Marketing And Merchandising	2	4+1	4+2(p)
Total		5	22	30

#### V SEMESTER

Part	Study Component	No of Cours	Credit	Hours
	Core Subject Quality control in Apparel Production	1	4	4+2(P)
	Fashion Draping	1	4	4+3(P)
	Designing & Constructing Men's Wear	1	4	4+3(P)
	Allied subject II Apparel Industrial Engineering	1	4	4+2(P)
IV	Environmental studies	1	2	2
	Skilled based subject Advanced Computer Application In Clothing	1	2	2
Total		6	20	30



### I SEMESTER

Part	Study Component	No of Course	Credits per Course	No. of hours
I	Tamil/other language	1	3	6
II	English	1	3	6
III	<b>Core subject</b> History of Costumes And Textiles Of India	2	4+2	4+2 (P)
	<b>Allied subject</b> Technology of fiber science and yarn manufacturing	2	4+1	4+2 (P)
	<b>Skilled based subject</b> Fabric Care	1	1+1	1+1
	Design Studio and Fashion Presentation	1	1+1	1+1
	<b>Non- Major Elective (for Arts students only)</b> Embroidery & Surface Ornamentation	1	2	2
<b>Total</b>		9	23	30

### III SEMESTER

I	Tamil / Other Languages	1	3	6
II	English	1	3	6
III	<b>Core Subject</b> Designing and constructing Children's Wear.	1	4+2	4+2(P)
	<b>Allied subject I</b> Textile Weaving And Fabric Structure	1	4+1	4+2(p)
	<b>Allied subject II</b> Textile Dyeing And Printing	1	4+1	4+2(p)
<b>Total</b>		5	18	30



## I SEMESTER

Part	Study Component	No of Cours	Credits per Course	No.of hours
I	Tamil / Other Languages	1	3	6
II	English	1	3	6
III	<b>Core Subject</b> Introduction to Fashion Designing	1	4	4+2 (P)
	<b>Allied Subject</b> Concept of Apparel Designing	1	4	4+2(P)
IV	<b>Skilled based Subject</b> Clothing machinery and equipment	1	1+1	1+1
	Fashion sketching	1	1+1	1+1
	<b>Non- Major Elective (for Science students only)</b> Embroidery & Surface Ormentation	1	2	2
<b>Total</b>		7	20	20 30



3	Financial Management	5	4	25	75	100
4	Entrepreneurship Development	5	4	25	75	100
	<b>Part III Allied Subject</b>					
5	Research Methodology	6	5	25	75	100
	<b>Part IV Skill Based Subject</b>					
6	Leadership and Communication Skills	2	2	25	75	100
	<b>Part IV Mandatory Subject</b>					
7	Environmental Studies	2	2	25	75	100
	<b>TOTAL</b>	<b>30</b>	<b>25</b>	<b>175</b>	<b>525</b>	<b>700</b>
<b>SEMESTER VI</b>						
S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part III Core Subjects</b>					
1.	Retail Management ✓	5	4	25	75	100
2.	Services Marketing	5	4	25	75	100
3.	Total Quality Management	5	4	25	75	100
4.	Strategic Management	5	4	25	75	100
	<b>Part III Allied Subject</b>					
5.	Field Study Report	6	5	25	75	100
	<b>Part IV Skill Based Subject</b>					
5.	Employability Skills	2	2	25	75	100
	<b>Part IV Mandatory Subject</b>					
7.	Value Education	2	2	25	75	100
	<b>TOTAL</b>	<b>30</b>	<b>25</b>	<b>175</b>	<b>525</b>	<b>700</b>
	<b>GRAND TOTAL</b>	<b>180</b>	<b>140 + 1*</b>	<b>1025</b>	<b>3075</b>	<b>4100</b>

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**SEMESTER III**

S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part III Core Subjects</b>					
1.	Company Law	5	4	25	75	100
2.	Information Management	5	4	25	75	100
3.	Computer Application in Business	5	4	25	75	100
4.	Organizational Behaviour	5	4	25	75	100
	<b>Part III Allied Subject</b>					
5.	Business Mathematics	6	5	25	75	100
	<b>Part IV Skill Based Subjects</b>					
6.	Presentation Skills	2	2	25	75	100
7.	Personality Development	2	2	25	75	100
	<b>TOTAL</b>	<b>30</b>	<b>25</b>	<b>175</b>	<b>525</b>	<b>700</b>

**SEMESTER IV**

S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part III Core Subjects</b>					
1.	Industrial Law	5	4	25	75	100
2.	Marketing Management	5	4	25	75	100
3.	Management Accounting	5	4	25	75	100
4.	Human Resources Management	5	4	25	75	100
	<b>Part III Allied Subject</b>					
5.	Business Statistics	6	5	25	75	100
	<b>Part IV Skill Based Subjects</b>					
6.	Interview Skills	2	2	25	75	100
7.	Salesmanship	2	2	25	75	100
	<b>Part V Extension Activities</b>	<b>0</b>	<b>1</b>	<b>25</b>	<b>75</b>	<b>100</b>
	<b>TOTAL</b>	<b>30</b>	<b>26</b>	<b>200</b>	<b>600</b>	<b>800</b>

**SEMESTER V**

S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part III Core Subjects</b>					
1.	Operations Management	5	4	25	75	100
2.	Advertising Management	5	4	25	75	100



BBA New

**BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.)  
DEGREE SEMESTER SYSTEM**

**Workload and Scheme of Examination**

<b>SEMESTER I</b>						
S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part I Tamil/Alternate Subject</b>					
1.	VanikaKadithankal	6	3	25	75	100
	<b>Part II English</b>					
2.	English – I	6	3	25	75	100
	<b>Part III Core Subjects</b>					
3.	Principles of Management	5	4	25	75	100
4.	Fundamentals of Accounting	6	4	25	75	100
	<b>Part III Allied Subjects</b>					
5.	Business Economics	5	4	25	75	100
	<b>Part IV Non Major Electives</b>					
6.	Fundamentals of Management	2	2	25	75	100
	<b>TOTAL</b>	<b>30</b>	<b>20</b>	<b>150</b>	<b>450</b>	<b>600</b>
<b>SEMESTER II</b>						
S.No.	Subjects	No. of Hours	No. of Credits	Internal Marks	External Marks	Total
	<b>Part I Tamil/Alternate Subject</b>					
1.	AluvalakaMelanmai	6	3	25	75	100
	<b>Part II English</b>					
2.	English – II	6	3	25	75	100
	<b>Part III Core Subjects</b>					
3.	Business Environment	5	4	25	75	100
4.	Cost Accounting	6	4	25	75	100
	<b>Part III Allied Subjects</b>					
5.	Money and Banking	5	4	25	75	100
	<b>Part IV Non Major Electives</b>					
6.	Fundamentals of Entrepreneurship	2	2	25	75	100
	<b>TOTAL</b>	<b>30</b>	<b>20</b>	<b>150</b>	<b>450</b>	<b>600</b>



	<b>V Semester</b>				
	<b>Core Major Subject</b>				
1	Productions & Operations Management	5	4	3 Hrs	25+75=100
2	Human Resource Management	5	4	3 Hrs	25+75=100
3	Advertising & Sales Management	5	4	3 Hrs	25+75=100
4	Financial Management	5	4	3 Hrs	25+75=100
	<b>Elective Subject</b>				
5	Research Methodology & Report Writing	6	5	3 Hrs	25+75=100
	<b>Skill Based Subject</b>				
6	Development of Skills of Personal Selling	2	2	3 Hrs	25+75=100
7	Environmental Science	2	2	3 Hrs	25+75=100
	<b>TOTAL</b>	<b>30</b>	<b>25</b>		
	<b>VI Semester</b>				
	<b>Core Major Subject</b>				
1	Retail Management	5	4	3 Hrs	25+75=100
2	Management Accounting *	5	4	3 Hrs	25+75=100
	<b>Elective / Project</b>				
3	Services Marketing	6	5	3 Hrs	25+75=100
4	Field Study Report	6	5	3 Hrs	20+80=100
	<b>Skill Based Subject</b>				
5	Learning Body Language *	2	2	3 Hrs	25+75=100
6	How to face interview confidently *	2	2	3 Hrs	25+75=100
7	Group Discussion Skill *	2	2	3 Hrs	25+75=100
8	Value Education	2	2	3 Hrs	25+75=100
	<b>Part V</b>				
9	Extension Activities	-	1	-	25+75=100
	<b>TOTAL</b>	<b>30</b>	<b>27</b>		
	<b>GRAND TOTAL</b>	<b>180</b>	<b>140</b>		

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Principal

Principal



III Semester					
Core Major Subject					
1	Business Law - I	6	4	3 Hrs	25+75=100
2	Banking Law & Practice	5	4	3 Hrs	25+75=100
3	Computer Application in Business - I ✓	6	4	3 Hrs	25+75=100
4	Entrepreneurship	5	4	3 Hrs	25+75=100
Allied Subject					
5	Business Statistics	6	5	3 Hrs	25+75=100
Skill Based Subject					
6	Communicative Skills	2	2	3 Hrs	25+75=100
TOTAL		30	23		
IV Semester					
Core Major Subject					
1	Business Law - II	6	4	3 Hrs	25+75=100
2	Computer Applications in Business - II ✓	6	4	3 Hrs	25+75=100
3	Marketing Management	5	4	3 Hrs	25+75=100
4	Organisational Behaviour	5	4	3 Hrs	25+75=100
Allied Subject					
5	Business Mathematics	6	5	3 Hrs	25+75=100
Skill Based Subject					
6	Personality Development	2	2	3 Hrs	25+75=100
TOTAL		30	23		

BBA old syllabus

DEGREE OF BUSINESS ADMINISTRATION DEGREE (B.B.A) SEMESTER SYSTEM

Work load and Scheme of Examination

Name of the Paper	Hrs	Credit	Duration of Exam.	Marks I + E = T
<b>Semester</b>				
வணிகக் கடிதங்கள்	6	3	3 Hrs	25+75=100
English - I	6	3	3 Hrs	25+75=100
<b>Core Major Subject</b>				
Principles of Management	5	4	3 Hrs	25+75=100
Financial Accounting	5	4		25+75=100
<b>Allied Subject</b>				
Business Economics	6	5	3 Hrs	25+75=100
<b>Non-Major Elective Subject</b>				
Business Administration	2	2	3 Hrs	25+75=100
<b>TOTAL</b>	<b>30</b>	<b>21</b>		
<b>I Semester</b>				
அலுவலக மேலாண்மை	6	3	3 Hrs	25+75=100
English - II	6	3	3 Hrs	25+75=100
<b>Core Major Subject</b>				
Business Environment	5	4	3 Hrs	25+75=100
Cost Accounting	5	4	3 Hrs	25+75=100
<b>Allied Subject</b>				
Money Banking	6	5	3 Hrs	25+75=100
<b>Non-Major Elective Subject</b>				
Entrepreneurial development	2	2	3 Hrs	25+75=100
<b>TOTAL</b>	<b>30</b>	<b>21</b>		



Micro Biology

I Semester					
Immunology	6	6	3	25	
Molecular biology & Microbial Genetics	6	6	3	25	
Fermentation Technology	6	6	3	25	
Practical - II	6	3	6	40	
Applied Microbiology	6	4	3	25	
<b>Total</b>	<b>30</b>	<b>25</b>			
III Semester					
Genomics & Proteomics (T&P)	6	4	3	25	
Microbial Bioremediation	6	6	3	25	
Genetic Engineering	6	6	3	25	
Bioinformatics	6	6	3	25	
Practical - III	6	3	6	25	
<b>Total</b>	<b>30</b>	<b>25</b>			
IV Semester					
Research Methodology	5	5	3	25	7
Project and Viva - voce	25	10	<i>my 1a</i>	20	8
<b>Total</b>	<b>30</b>	<b>15</b>			



SCHEME OF EXAMINATIONS

Subject Code	Title of the Paper	Weekly contact hours	No. of credits	Examination Hours	Marks		
					Int.	Ext.	Total
	I Semester						
MS01	General Micro Biology	6	6	3	25	75	100
MS02	Cell Biology & Biochemistry	6	6	3	25	75	100
MS03	Agricultural & Environmental Microbiology	6	6	3	25	75	100
MS04	Practical - I	6	3	6	40	60	100
MS01	Medical Microbiology (T&P)	6	4	3	25	75	100
	Total	30	25				500
				2150			



	Total	30	25				500
	IV Semester						
MS13	Research Methodology	5	5	3	25	75	100
MS14	Project and Viva – voce	25	10		20	80	100
	Total	30	15				200
	Grand Total		90				1700

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Professor

Ambiga College of Arts and Sciences For Women  
 - All India Regional Council of Education

New Syllabus

M.Sc. Microbiology

8. Unitization

Subject code	Title of the Paper	Weekly contact hours	No. of credits	Examination Hours	Marks		
					Int.	Ext.	Total
<b>I Semester</b>							
MS01	General Micro Biology	6	6	3	25	75	100
MS02	Cell Biology & Biochemistry	6	6	3	25	75	100
MS03	Agricultural & Environmental Microbiology	6	6	3	25	75	100
MS04	Practical – I	6	3	6	40	60	100
ME01	Medical Microbiology (T&P)	6	4	3	25	75	100
<b>Total</b>		<b>30</b>	<b>25</b>				<b>500</b>
<b>II Semester</b>							
MS05	Immunology	6	6	3	25	75	100
MS06	Molecular biology & Microbial Genetics	6	6	3	25	75	100
MS07	Fermentation Technology	6	6	3	25	75	100
MS08	Practical – II	6	3	6	40	60	100
NME01	Applied Microbiology	6	4	3	25	75	100
<b>Total</b>		<b>30</b>	<b>25</b>				<b>500</b>
<b>III Semester</b>							
ME02	Genomics & Proteomics (T&P)	6	4	3	25	75	100
MS09	Microbial Bioremediation	6	6	3	25	75	100
MS10	Genetic Engineering	6	6	3	25	75	100
MS11	Bioinformatics	6	6	3	25	75	100
MS12	Practical – III	6	3	6	25	75	100