

Admitted batch 2019-2020

Revised Common Framework of CBCS for SDMSMK

B.com General (T.M) SEMESTER I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English-I	ENGT15	100	25	75	4	3
2	Hindi -I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Entrepreneurship Development	LSCT04	50	10	40	2	2
5	Office Secretary Ship	SDCCOM T02	50	10	40	2	2
6	Fundamentals Of Accounting	COMT11B	100	25	75	5	4
7	Business Organization and Management	COMT12A	100	25	75	5	4
8	Business Environment	COMT14	100	25	75	5	4

B.com General (T.M) SEMESTER II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English-II	ENGT25	100	25	75	4	3
2	Hindi - II	HINT 21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Business Economics	ECOT22B	100	25	75	5	4
5	Financial Accounting	COMT21A	100	25	75	5	4
6	Banking Theory And Practice	COMT22B	100	25	75	5	4
7	Environmental Studies	CLSCT01	50	10	40	2	2
8	Online Business	SDCCOMT 03	50	10	40	2	2
9	Advertising	SDCCOMT 04	50	10	40	2	2
10	Community service project	CAIP2	100		100		4

B.com General (T.M) SEMESTER III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis- III	ENGT 01A	100	25	75	4	3
2	Personality enhancement and leadership	LSCT11	50	10	40	2	2
3	Logistics and supply chain management	SDCCO MT05	50	10	40	2	2
4	Advanced Accounting	COMT31 A	100	25	75	5	4
5	Business Statistics	COMT32	100	25	75	5	4

6	Business laws	COMT37	100	25	75	5	4
7	Goods and service tax	COMT38	100	25	75	5	4

B.com General (T.M) SEMESTER IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi -III	HINT01	100	25	75	4	3
2	Telugu - III	TELT01	100	25	75	4	3
3	Internship	CAIP4	100		100		4
4	Human values and professional ethics	LSCT06	50	10	40	2	2
5	Corporate accounting	COMT41A	100	25	75	5	4
6	Cost and management accounting	COMT45	100	25	75	5	4
7	Income Tax	COMT43A	100	25	75	5	4
8	Auditing	COMT46	100	25	75	5	4
9	Marketing	COMT47	100	25	75	5	4

B.com General (T.M) SEMESTER V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Project Management	SEC 003	50	10	40	2	2
2	Cost Accounting	COMT51	100	25	75	5	4
3	Goods & Service Tax	COMT52	100	25	75	5	4
4	Commercial Geography	COMT01	100	25	75	5	4
Elective	Rural and Farm Credit(Ele-III Banking & Financial Services)	COMTEL 59	100	25	75	5	4
Elective	Central Banking(Ele-III Banking & Financial Services)	COMTEL510	100	25	75	5	4
Elective	Commerce lab(Ele-III Banking & Financial Services)	COMPEL 52	100	25	75	5	4
Elective	Accounting & Auditing Standards	COM TELS55	100	25	75	5	4
Elective	Accounting for Government Entities	COM TELS56	100	25	75	5	4
Elective	Commerce lab	COM PELS53	100	25	75	5	4
Elective	E-Commerce	COM TELS511	100	25	75	5	4
Elective	Business Network	COM TELS512	100	25	75	5	4
Elective	Commerce lab	COM PELS54	100	25	75	5	4

B.com General (T.M) SEMESTER VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Accounting Software-Tally	SEC004	50	10	40	2	2
2	Marketing	COMT61	100	25	75	5	4
3	Auditing	COMT62	100	25	75	5	4
4	Management Accounting	COMT63	100	25	75	5	4
Elective	Financial	COMTEL68	100	25	75	5	4

	Services(Ele-III Banking & Financial Services)						
Elective	Marketing of Financial Services(Ele-III Banking & Financial Services)	COMTEL69	100	25	75	5	4
Elective	Project Work: Working with banking companies on Credit systems, sources of farm credits and micro finance systems. (Ele-III Banking & Financial Services)	COMPWEL61	100	25	75	5	4
Elective	e- Payments System	COM TELS612	100	25	75	5	4
Elective	Social Media and e- Marketing	COM TELS613	100	25	75	5	4
Elective	Project work	COM PWELS64					
Elective	Financial Reporting	COM TELS610	100	25	75	5	4
Elective	Emerging areas in accounting	COM TELS611	100	25	75	5	4
Elective	Project work	COM PWELS63	100	25	75	5	4

B.com General (E.M) SEMESTER I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi -I	HINT11	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Entrepreneurship Development	LSCT04	50	10	40	2	2
5	Office Secretary Ship	SDCCOM T02	50	10	40	2	2
6	Fundamentals Of Accounting	COMT11B	100	25	75	5	4
7	Business Organization and Management	COMT12	100	25	75	5	4
8	Business Environment	COMT14	100	25	75	5	4

B.com General (E.M) SEMESTER II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi - II	HINT 21	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Business Economics	ECOT22B	50	10	40	2	2
5	Financial Accounting	COMT21A	50	10	40	2	2

6	Banking Theory And Practice	COMT22B	100	25	75	5	4
7	Environmental Studies	CLSCT01	100	25	75	5	4
8	Online Business	SDCCOMT03	100	25	75	5	4
9	Advertising	SDCCOMT04	100	25	75	5	4

B.com General (E.M) SEMESTER III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English - III	ENGT 01	100	25	75	4	3
2	Communication & Soft Skills - II	AEC006	50	10	40	2	2
3	Entrepreneurship Education	AEC008	50	10	40	2	2
4	Corporate Accounting	COMT31	100	25	75	5	4
5	Business Statistics	COMT32	100	25	75	5	4
6	Banking Theory & Practice	COMT33	100	25	75	5	4
7	ICT -II	AEC009	50	10	40	2	2

B.com General (E.M) SEMESTER IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi -III	HINT01	100	25	75	4	3
2	Telugu - III	TELT01	100	25	75	4	3
3	Analytical skills	AEC007	50	10	40	2	2
4	Communication & Soft Skills - III	AEC010	50	10	40	2	2
5	Leadership Education	AEC011	50	10	40	2	2
6	Accounting for Service Organisations	COMT41	100	25	75	5	4
7	Business Laws	COMT42	100	25	75	5	4
8	Income Tax	COMT43	100	25	75	5	4

B.com General(E.M) SEMESTER V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Project Management	SEC 003	50	10	40	2	2
2	Cost Accounting	COMT51	100	25	75	5	4
3	Goods & Service Tax	COMT52	100	25	75	5	4
4	Commercial Geography	COMT01	100	25	75	5	4
Elective 1	Purchase Management(Ele-II Retailing)	COMTEL 57	100	25	75	5	4
Elective 2	Stores Management(Ele-II Retailing)	COMTEL58	100	25	75	5	4
Elective 3	Commerce lab(Ele-II Retailing)	COMPEL 51	100	25	75	5	4
Elective 4	Accounting & Auditing Standards	COMTELS55	100	25	75	5	4

Elective 5	Accounting for Government Entities	COMTELS56	100	25	75	5	4
Elective 6	Commerce lab	COMPELS53	100	25	75	5	4
Elective 7	E-Commerce	COMTELS511	100	25	75	5	4
Elective 8	Business Network	COMTELS512	100	25	75	5	4
Elective 9	Commerce lab	COMPELS54	100	25	75	5	4

B.com General (E.M) SEMESTER VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Accounting Software-Tally	SEC004	50	10	40	2	2
2	Marketing	COMT61	100	25	75	5	4
3	Auditing	COMT62	100	25	75	5	4
4	Management Accounting	COMT63	100	25	75	5	4
Elective 1	Agricultural & Rural Marketing(Ele-II Retailing)	COMTEL66	100	25	75	5	4
Elective 2	Warehouse Management(Ele-II Retailing)	COMTEL67	100	25	75	5	4
Elective 3	Project Work: Survey on Rural Producers/Retailing Practices (Kirana) Survey on Hawkers/ Working with Warehouses (Ele-II Retailing)	COMPWEL61	100	25	75	5	4
Elective 4	e- Payments System	COMTELS612	100	25	75	5	4
Elective 5	Social Media and e-Marketing	COMTELS613	100	25	75	5	4
Elective 6	Financial Reporting	COMTELS610	100	25	75	5	4
Elective 7	Emerging areas in accounting	COMTELS611	100	25	75	5	4
Elective 8	Project work	COMPWELS64	100	25	75	5	4

B.Com (Computers) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA	TES	Sem End Exam	Teaching Hours	Credits
1	Business English - I	ENGT15	100	25	75	4		3
2	Hindi - I	HINT11A	100	25	75	4		3
3	Telugu - I	TELT11A	100	25	75	4		3
4	Entrepreneurship Development	LSCT04	50	10	40	2		2
5	Office Secretary Ship	SDCCOM T02	50	10	40	2		2
6	Fundamentals of Accounting	COMT11B	100	25	75	6		4
7	Business Organization and Management	COMT12 A	100	25	75	5		4
8	Information Technology	CABT11A	100	25	75	5		4

B.Com (Computers) SEMESTER - II

S.no	Course	Course Code	Total Marks	IA	TES	Sem End Exam	Teaching Hours	Credits
1	Business English - II	ENGT 25	100	25	75	4		3
2	Hindi – II / Telugu - II	HINT 21\TELT 21A	100	25	75	4		3
3	Environmental Studies	CLSCT01	50	10	50	2		2
4	Online Business	SDCCOM T03	50	10	50	2		2
5	Advertising	SDCCOM T04	50	10	50	2		2
6	Financial Accounting	COMT 21A	100	25	75	6		4
7	E-Commerce and Web Designing	CABT2 4	100	25	75	5		4
8	E-Commerce and Web Designing Lab	CABP2 3	100	25	75	4		4
9	Business economics	ECOT2 2B	100	25	75	4		4
10	Community service project	CAIP2	100		100			4

B.Com (Computers) SEMESTER – III

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exam m m	Teaching Hour s	Credits
1	English praxis-III	ENGT01A	100	25	75	4	3

2	Programming with c and c++	CABT31A	100	25	75	5	4
3	Programming with c and c++- LAB	CABT31A	50	10	40	2	1
4	Logistics and supply chain management	SDCCOMT05	50	10	40	2	2
5	Personality enhancement and leadership	LSCT11	50	10	40	2	2
6	Advanced Accounting	COMT 31A	100	25	75	6	4
7	Business Statistics	COMT 32	100	25	75	5	4
8	Business laws	COMT 37	100	25	75	5	4

B.Com (Computers) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Hindi -III	HINT 01	100	25	75	4	3
2	Telugu -III	TELT01	100	25	75	4	3
3	Human values and professional ethics	LSCT06	50	10	40	2	2
4	Corporate accounting	COMT41A	100	25	75	5	4
5	Cost and management accounting	COMT 45	100	25	75	5	4
6	Auditing	COMT46	100	25	75	5	4
7	Commercial Geography	COMT 01	100	25	75	5	4
8	Taxation	COMT48	100	25	75	4	4
9	Database management systems LAB	CABP41A	50	10	40	2	1
10	Database management systems	CABT41B	100	25	75	5	4

B.Com (Computer s) SEMESTER - V

S no	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Project Management	SEC003	50	10	40	2	2
2	Cost Accounting	COMT 51	100	25	75	5	4
3	Taxation	COMT 53	100	25	75	5	4
4	Programming C	CABT 53	100	25	75	4	4
5	Programming in C- Lab	CABP 52	50	10	40	3	2
6	E-Commerce	CABT 51	100	25	75	4	4
7	Web Technology	CABT 52	100	25	75	4	4
8	Web Technology Lab	CABP 51	50	10	40	3	2

B.Com (Computers) SEMESTER - VI

S no	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Personal Finance	SEC005	50	10	40	2	2
2	Marketing	COMT 61	100	25	75	5	4
3	Auditing	COMT 62	100	25	75	5	4
4	Management Accounting	COMT 63	100	25	75	5	4
5	Tally	COMP 64	100	25	75	3	2
6	Data Base Management System	CABT 61	100	25	75	5	4
7	PHP and My SQL	CABT 62	100	25	75	4	4
8	PHP and My SQL Lab	CABP 63	50	10	40	3	2

B.Com Banking & Insurance SEMESTER - I

Sno	Course	Course Code	Total Mar	IA TES T	Sem End Exa	Teaching Hours	Credits
------------	---------------	--------------------	----------------------	-------------------------	----------------------------	---------------------------	----------------

			ks		m		
1	Business English -I	ENGT15	100	25	75	4	3
2	Hindi -I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Entrepreneurship Development	LSCT04	50	10	40	2	2
5	Office Secretary Ship	SDCCOMT02	50	10	40	2	2
6	Fundamentals of Accounting Of Accounting	COMT11B	100	25	75	5	4
7	Business Organization and Management	COMT12A	100	25	75	5	4
8	Elements of financial system	COMT16	100	25	75	5	4

B.Com Banking & Insurance SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exa m	Teaching Hours	Credits
1	Business English -II	ENGT25	100	25	75	4	3
2	Hindi - II	HINT 21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Business Economics	ECOT22B	100	25	75	5	4
5	Financial Accounting	COMT21A	100	25	75	5	4
6	Banking Theory Law And Practice	COMT24	100	25	75	5	4
7	Environmental Studies	CLSCT01	50	10	40	2	2
8	Online Business	SDCCOMT03	50	10	40	2	2
9	Advertising	SDCCOMT04	50	10	40	2	2
10	Community service project	CAIP2	100		100		4

B.Com Banking & Insurance SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exa m	Teaching Hours	Credits
-----	--------	-------------	-------------	----------------	------------------------	-------------------	---------

1	English Praxis -III	ENGT 01A	100	25	75	4	3
2	Personality enhancement and leadership	LSCT11	50	10	40	2	2
3	Logistics and supply chain management	SDCCOMT05	50	10	40	2	2
4	Advanced Accounting	COMT 31A	100	25	75	5	4
5	Business Statistics	COMT 32	100	25	75	5	4
6	Business laws	COMT37	100	25	75	5	4
7	Goods and service taxes	COMT38	100	25	75	5	4

B.Com Banking & Insurance SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Telugu-III	TELT 01A	100	25	75	4	3
2	Hindi-III	HIN T01	100	25	75	4	3
3	Human values and professional ethics	LSCT06	50	10	40	2	2
4	Marketing	COMT47	100	25	75	5	4
5	Corporate accounting	COMT 41A	100	25	75	5	4
6	Cost and management accounting	COMT45	100	25	75	5	4
7	Income Tax	COM T43A	100	25	75	5	4
8	Auditing	COMT46	100	25	75	5	4
9	Internship	CAIP4	100		100		4

B.Com Banking & Insurance SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Project Management	SEC003	50	10	40	2	2
2	Cost Accounting	COMT 51	100	25	75	5	4
3	Goods & Service Tax	COMT52	100	25	75	5	4
4	Commercial Geography	COMT01	100	25	75	5	4
Elective 1	Accounting & Auditing Standards	COMTEL51	100	25	75	5	4
	Accounting for Government Entities	COMTEL52	100	25	75	5	4
	Commerce Lab	COMPEL53	100	25	75	5	4
Elective 2	Purchase Management	COMTEL57	100	25	75	5	4
	Stores Management	COMTEL58	100	25	75	5	4
	Commerce Lab	COMPEL59	100	25	75	5	4
Elective 3	Rural & Farm Credit	COMTEL59	100	25	75	5	4
	Central Banking	COMTEL510	100	25	75	5	4
	Commerce Lab	COMPEL52	100	25	75	5	4
Elective 4	e-Commerce	COMTEL510	100	25	75	5	4
	Business Networks	COMTEL511	100	25	75	5	4
	Commerce Lab	COMTEL512	100	25	75	5	4

B.Com Banking & Insurance SEMESTER - VI

Sno	Course	Course Code	Total Marks	IA TES T	Sem End Exam	Teaching Hours	Credits
1	Accounting Software-Tally	SEC004	50	10	40	2	2
2	Marketing	COMT61	100	25	75	5	4
3	Auditing	COMT62	100	25	75	5	4
4	Management Accounting	COMT63	100	25	75	5	4
Ele-I Corporate Accounti	Financial Reporting	COMTEL61	100	25	75	5	4
	Emerging Areas in Accounting	COMTEL62	100	25	75	5	4
	Project Work	COMPWEL61	100	25	75	5	4

ng							
Ele-II Retailing	Agricultural & Rural Marketing	COMTEL66	100	25	75	5	4
	Warehouse Management	COMTEL67	100	25	75	5	4
	Project Work	COMPWEL61	100	25	75	5	4
Ele-III Banking & Financial Services	Financial Services	COMTEL68	100	25	75	5	4
	Marketing of Financial Services	COMTEL69	100	25	75	5	4
	Project Work	COMPWEL61	100	25	75	5	4
Ele-III E-Commerce	e-Payments System	COMTEL610	100	25	75	5	4
	Social Media & e-Marketing	COMTEL611	100	25	75	5	4
	Project Work	COMPWEL61	100	25	75	5	4

BBA SEMESTER-I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English– I	ENG T15	100	25	75	4	3
2	Telugu - I / Hindi – I	TEL T11A/ HIN T11A	100	25	75	4	3
3	Office Secretary Ship	SDCCOMT02	50	10	40	2	2
4	Entrepreneurship Development	LSCT04	50	10	40	2	2
5	Managerial Economics	ECO T19	100	25	75	5	4
6	IT for Managers	MIT T11	100	25	75	5	4
7	Management Process	MGTT15	100	25	75	5	4

BBA. SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English – II	ENG T25	100	25	75	4	3
2	Telugu - II / Hindi – II	TEL T21A/ HIN T21A	100	25	75	4	3
3	Environmental Studies	CLSCT01	50	10	40	2	2
4	Online Business	SDCCOMT03	50	10	40	2	2
5	Advertising	SDCCOMT04	50	10	40	2	2
6	Quantitative Methods for Managers	STA T22	100	25	75	5	4
7	Accounting for Managers	MGT T210	100	25	75	5	4
8	Business Environment	MGT T25	100	25	75	5	4
9	Community service project	CAIP2	100		100		4

BBA. SEMESTER – III

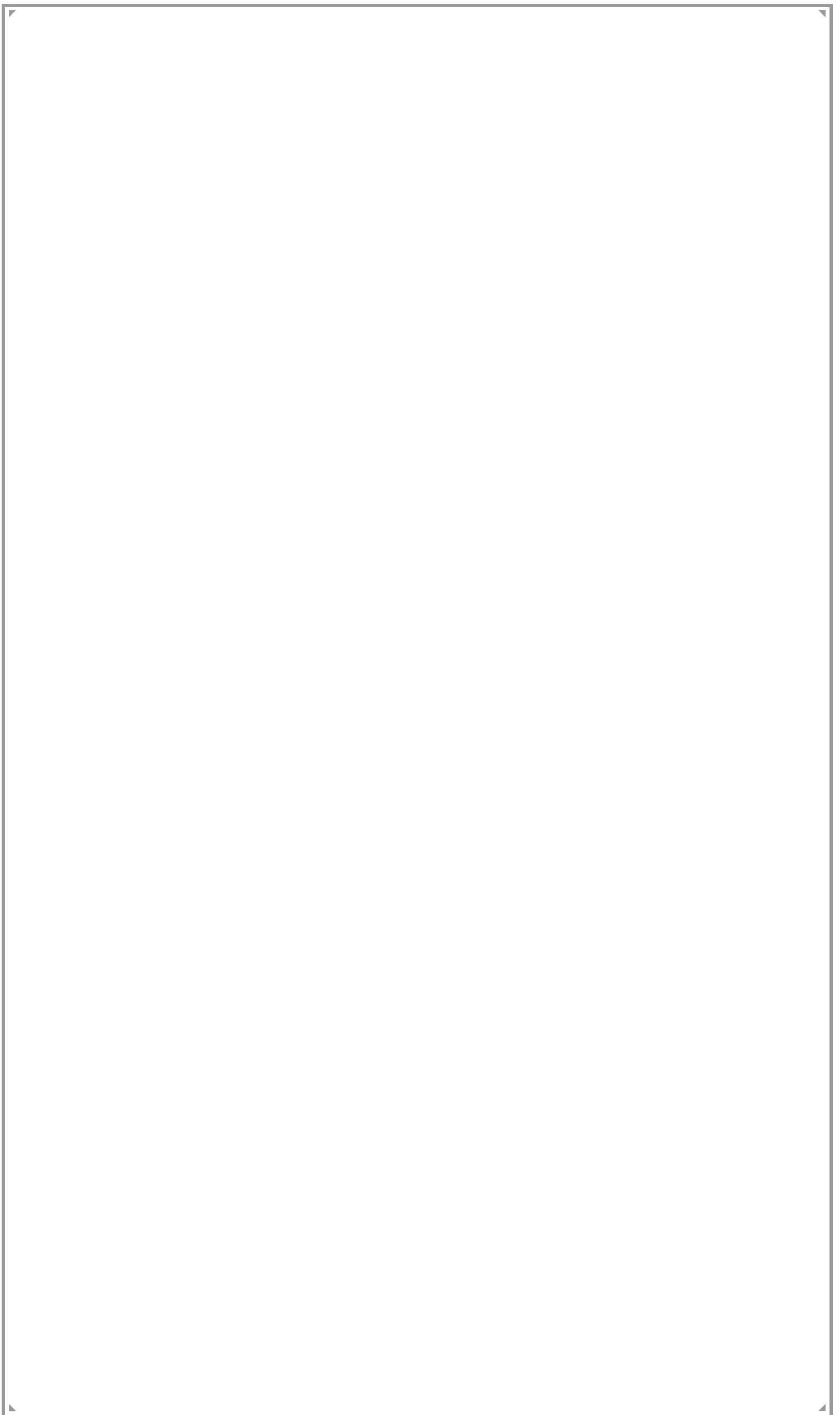
Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	credits
1	English Praxis- III	ENG T01	100	25	75	3
2	Personality enhancement and leadership	LSCT11	50	10	40	2
3	Business laws	MGTT37	100	25	75	4
4	Logistics and supply chain management	SDCCOMT05	50	10	40	2
5	Marketing Management	MGT T34	100	25	75	4
6	Human Resource Management	MGT T32	100	25	75	4
7	Organizational Behaviour	MGT T33	100	25	75	4

BBA. SEMESTER – IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Telugu – III / Hindi - III	TEL T01 / HIN T01	100	25	75	4	3
2	Human values and professional ethics	LSCT06	50	10	40	2	2
3	Tally	AOCCOMP 01	50	10	40	2	2
4	Internship	CAIP4	100		100		4
5	Project evaluation & Management	MGT T41B	100	25	75	5	4
6	Operations Management	MGTT44	100	25	75	5	4
7	Business strategy	MGT T43A	100	25	75	5	4
8	Business Research Methods	MGTT45	100	25	75	5	4
9	E commerce	MGTT48	100	25	75	5	4

BBA. SEMESTER – V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Tally (Accounting software)	SEC 001	50	---	50	2	2
2	E-Commerce	MGTT 53	100	25	75	5	4
3	Business Laws	MGTT 51	100	25	75	5	4
4	Taxation	MGTT 52	100	25	75	5	4
Elective	Purchase Management	MGT TEL 53	100	25	75	5	4
Elective	Stores Management	MGT TEL 54	100	25	75	5	4
Elective	e-commerce application	MGT TELS55	100	25	75	5	4
Elective	Business Networks	MGT TELS56	100	25	75	5	4
Elective 3	Project Work in Elective paper	MGT PWEL 55	100	25	75	2	4
Elective	Financial Markets	MGT TELS57	100	25	75	5	4
Elective	Foreign Exchange Management	MGT TELS58	100	25	75	5	4
Elective	Talent Management	MGT TELS59	100	25	75	5	4
Elective	Industrial Relations	MGT TELS510	100	25	75	5	4
Elective	Global Marketing	MGT TELS511	100	25	75	5	4
Elective	Advertising and Media Management	MGT TELS512	100	25	75	5	4



B.B.A. SEMESTER – VI

Sl. No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours	Credits
1.	Statistical computing using MS- Excel	SEC 002	50	---	50	2	2
2.	Business Strategy	MGTT 63	100	25	75	5	4
3.	Micro, Small And Medium Enterprises Management	MGT T62	100	25	75	5	4
4.	Project Evaluation & Management	MGT T61	100	25	75	5	4
Elective	Agricultural & Rural Marketing	MGT TEL 63	100	25	75	5	4
Elective	Warehouse Management	MGT TEL 64	100	25	75	5	4
Elective	e- Payment System	MGT TELS65	100	25	75	5	4
Elective	Social Media and e-marketing	MGT TELS66	100	25	75	5	4
Elective	Financial Services	MGT TELS67	100	25	75	5	4
Elective	Investment Management	MGT TELS68	100	25	75	5	4
Elective	Global HRM	MGT TELS69	100	25	75	5	4
Elective	Training & Development	MGT TELS610	100	25	75	5	4
Elective	Marketing of Services	MGT TELS611	100	25	75	5	4
Elective	Retail Management	MGT TELS612	100	25	75	5	4
Elective	Viva-Voce Exam Management	MGT CVV65	100	25	75	---	4

B.com (Hons) SEMESTER I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English-I	ENGT15	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Fundamentals of accounting	COHT11	100	25	75	4	3
5	Business organization and management	COHT12B	100	25	75	4	3
6	Banking theory and practice	COHT13A	100	25	75	5	4
7	Managerial economics	ECOT19	100	25	75	5	4
8	Entrepreneurship development	LSCT04	50	10	40	2	2
9	Office secretary ship	SDCCOMT 02	50	10	40	2	2

B.com(Hons) SEMESTER II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English-II	ENGT25	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Quantitative methods	COHT23	100	25	75	5	4
5	Financial accounting-I	COHT21A	100	25	75	5	4
6	Business environment	COHT22A	100	25	75	5	4
7	Elements of financial management	COHT24	100	25	75	5	4
8	Advertising	SDCCOMT04	50	10	40	2	2
9	Online business	SDCCOMT03	50	10	40	2	2
10	Community service project	CAIP2	100		100		4
11	Environmental studies	CLSCT01	50	10	40	2	2

B.com(Hons) SEMESTER III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English praxis-III	ENGT01A	100	25	75	4	3
2	Financial Accounting-II	COHT31	100	25	75	5	4
3	financial management	COHT37	100	25	75	5	4
4	Business Laws	COHT33A	100	25	75	5	4
5	Auditing	COHT38	100	25	75	5	4
6	Direct Tax	COHT36	100	25	75	5	4
7	Marketing management	COMT39	100	25	75	5	4
8	Logistics and supply chain management	SDCCOMT05	50	10	40	2	2

B.com (Hons) SEMESTER IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01	100	25	75	4	3
3	Accounting for corporate issues	COHT41	100	25	75	4	3
4	Cost accounting	COHT47	100	25	75	5	4
5	Corporate laws	COHT43	100	25	75	5	4
6	Security analysis	COHT49	100	25	75	5	4
7	Indirect tax laws	COHT46	100	25	75	5	4
8	Internship	CAIP4	100		100		4
9	Personality enhancement and leadership	LSCT11	50	10	40	2	2
10	Human values and professional ethics	LSCT06	50	10	40	2	2

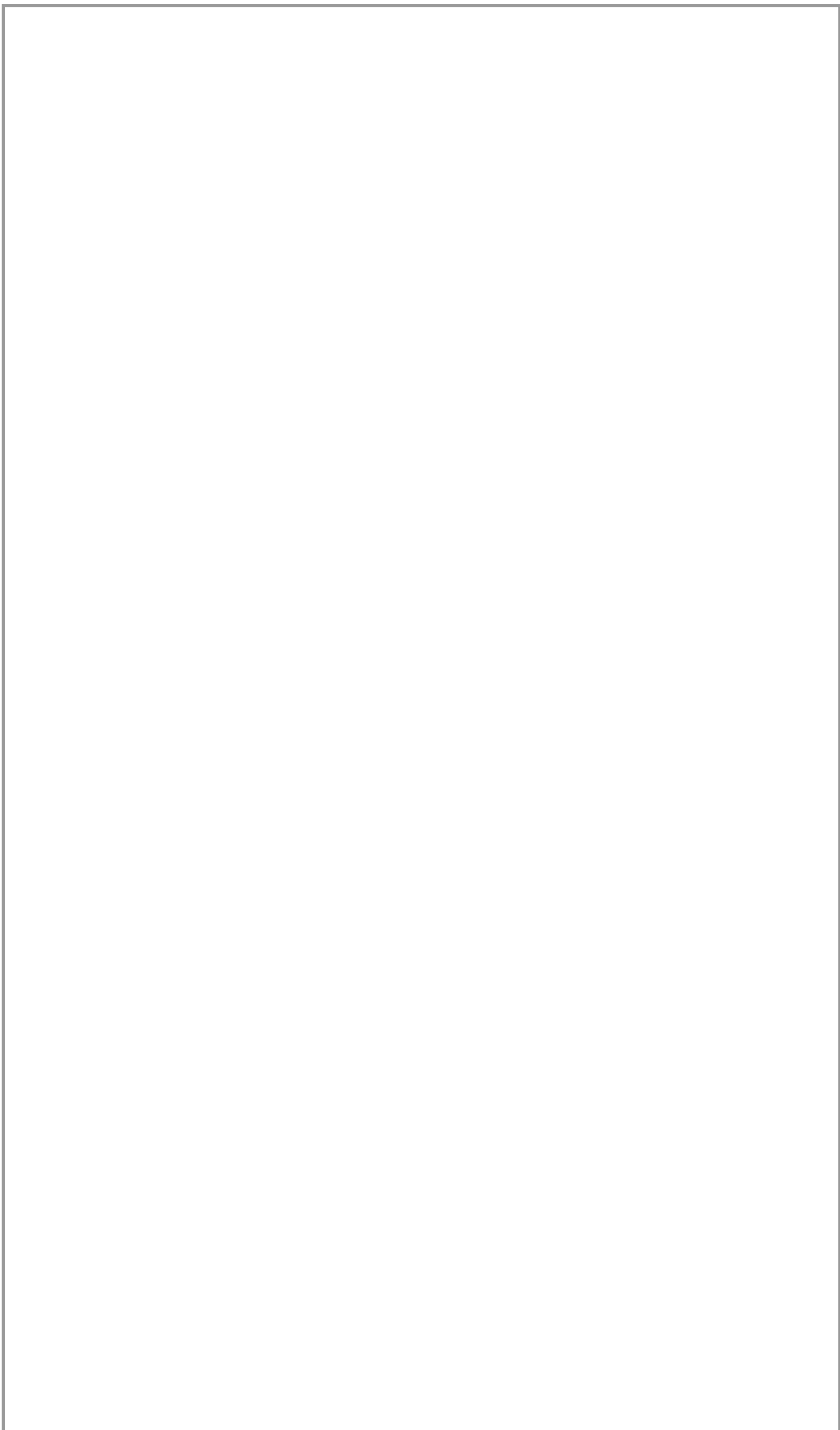
**BBA(BPM)
SEMESTER-I**

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English– I	ENG T15	100	25	75	4	3
2	Telugu - I / Hindi – I	TEL T11A/ HIN T11A	100	25	75	4	3
3	Office Secretary Ship	SDCCOMT02	50	10	40	2	2
4	Entrepreneurship Development	LSCT04	50	10	40	2	2
5	Managerial Economics	ECO T19	100	25	75	5	4
6	IT for Managers	MIT T11	100	25	75	5	4
7	Management Process	MGTT15	100	25	75	5	4
8	Accounting for managers	MGTT18	100	25	75	5	4

**BBA. (BPM)
SEMESTER – II**

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Business English – II	ENG T25	100	25	75	4	3
2	Telugu - II / Hindi – II	TEL T21A/ HIN T21A	100	25	75	4	3
3	Environmental Studies	CLSCT01	50	10	40	2	2
4	Online Business	SDCCOMT03	50	10	40	2	2
5	Advertising	SDCCOMT04	50	10	40	2	2
6	Quantitative Methods for Managers	STA T22	100	25	75	5	4

7	Finance and accounting for bps	COHT25	100	25	75	5	4
8	Business Environment	MGT T25	100	25	75	5	4
9	Community service project	CAIP2	100		100		4
10	Marketing management	MGTT211	100	25	75	5	4



B.A. (HEP) SEMESTER - I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - I	ENG T11B	100	25	75	5	3
2	Hindi - I	HIN T11A	100	25	75	4	3
3	Telugu – I	TEL T11A	100	25	75	4	3
4	Computer Fundamentals and Office Tools	LSCP02	50	10	40	2	2
5	Public Relations	SDCPOLT01	50	10	40	2	2
6	Ancient Indian History and Culture from Indus Valley Civilization to 13 th Century A.D	HIST11B	100	25	75	5	4
7	Micro Economic Analysis	ECOT11B	100	25	75	5	4
8	Introduction to political science	POLT11B	100	25	75	5	4

B.A. (HEP) SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - II	ENG T21B	100	25	75	6	3
2	Hindi - II	HIN T21A	100	25	75	4	3
3	Telugu – II	TEL T21A	100	25	75	4	3
4	Environmental Studies	CLSCT01	50	10	40	2	2
5	Internet fundamentals and web tools	LSCP07	50	10	40	2	2
6	Medieval Indian History & Culture (1206 A.D – 1764 A.D)	HIST21B	100	25	75	5	4
7	Macro Economics Analysis	ECOT21B	100	25	75	5	4
8	Basic Organs of the Government	POLT21B	100	25	75	5	4
9	Community service project	CAIP2	100		100		4
10	Perspective of Indian constitution	AOCT26	50	10	40	2	2

B.A. (HEP) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis- III	ENG T01A	100	25	75	6	3
2	Personality enhancement and leadership	LSCT11	50	10	40	2	2
3	Financial markets	SDCECOT01	50	10	40	2	2
4	Tourism guidance	SDCHIST01	50	10	40	2	2
5	Modern Indian History and Culture (1764 To 1947) A.D	HIST31A	100	25	75	5	4
6	Development economics	ECOT31B	100	25	75	5	4
7	Western political thought	POL T32	100	25	75	5	4
8	Indian government and politics	POL T31	100	25	75	5	4

B.A. (HEP) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi III	HINT01	100	25	75	4	3

2	Telugu III	TELT01A	100	25	75	4	3
---	------------	---------	-----	----	----	---	---

3	History and Culture of Andhra from (1512- 1956A.D)	HIST42	100	25	75	5	4
4	Economic development in India and Andhra Pradesh	ECOT41B	100	25	75	5	4
5	Indian Political Process	POLT41	100	25	75	4	4
6	History of modern world from 15 th cent to 1945A.D	HIST43	100	25	75	5	4
7	Statistical methods for economics	ECOT42	100	25	75	5	4
8	Internship	CAIP4	100		100		4

B.A. (HEP) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Age of Rationalism and Humanism the World between 15th to 18th Centuries	HIST51	100	25	75	5	4
2	History and Culture of Andhra from Satavahanas to 1857 A.D	HIST52	100	25	75	5	4
3	Economic Development & Indian Economy	ECOT51	100	25	75	5	4
4	Indian and Andhra Pradesh Economy	ECOT52	100	25	75	5	4
5	Indian Political Thought	POLT51	100	25	75	5	4
6	Western Political Thought	POLT52	100	25	75	5	4

B.A. (HEP) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	History of Modern World (1821- 1945A.D)	HISTEL61	100	25	75	3	4
Elective 2	History of Modern Europe (FROM 19TH CENTURY-1945 A.D)	HIS TEL61	100	25	75	3	4
Elective 1	Agricultural Economics	ECOTEL62	100	25	75	3	4

Elective 2	Financial Markets and Institutions		100	25	75	3	4
Elective 1	Principles of Public Administration	POLTEL61	100	25	75	5	4
Elective 2	Comparative Constitutionalism UK, USA		100	25	75	3	3
Cluster Elective 1	Popular Movements in Andhra Desa(1848-1956 A.D)	HISTCL61	100	25	75	5	4
Cluster Elective 2	Popular Movements in Andhra Desa 1848-1956 A.D)	HIS TCL61	100	25	75	5	4
Cluster Elective 1	Agribusiness Environment in Andhra Pradesh	ECOTCL61	100	25	75	3	4
Cluster Elective 2	Entrepreneurship and Small Business Development		100	25	75	3	3
Cluster Elective 1	Local Self Governments in Andhra Pradesh	POLTCL61	100	25	75	3	4
Cluster Elective 2	International Relations	POL TCLS62	100	25	75	3	3

Field Project

	History -Project	HISPW61	100	25	75	3	2
	Economics -Project	ECOPW61	100	25	75	3	2
	Political science - Project	POLPW61	100	25	75	3	2

B.Sc. (MPC) SEMESTER - I

S.No.	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Differential Equations	MATT11A	100	25	75	6	5
5	Mechanics, Waves and Oscillations	PHYT11B	100	25	75	5	4
6	Elementary number theory	SDCMATT01	50	10	40	2	2

7	Mechanics, Waves and Oscillations Lab	PHYP11B	50	10	40	2	1
8	Problem solving in c	CSCT11B	100	25	75	5	4
9	Problem solving in c-LAB	CSCP11B	50	10	40	2	1
10	Environmental studies	CLSCT01	50	10	40	2	2
11	Electrical Appliances	SDCPHYP01	50	10	40	2	2

B.Sc. (MPC) SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	100	25	75	6	5
5	Wave Optics	PHYT21C	100	25	75	5	4
6	Data structures	CSCT21B	100	25	75	5	4
7	Wave Optics Lab	PHYP21 B	50	10	40	2	1
8	Data structures Lab	CSCP21B	50	10	40	2	1
9	Human values and professional ethics	LSCP06	50	10	40	3	2
10	Solar Energy	SDCPHYP02	50	10	40	3	2
11	Community service project	CAIP2	100		100		4

B.Sc. (MPC) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3
3	Abstract Algebra	MATT31	100	25	75	6	5
4	Three dimensional analytical solid geometry	MATT02	100	25	75	6	5
5	Heat and thermodynamics	PHYT31A	100	25	75	5	4

6	Data base management systems	CSCT34B	100	25	75	5	4
7	Heat and thermodynamics-LAB	PHYP31A	50	10	40	2	1
8	Object oriented programming using java	CSCT01	100	25	75	5	4
9	Data base management systems-LAB	CSCP33A	50	10	40	2	1
10	Object oriented programming using java-lab	CSCP01	50	10	40	2	1
11	Elementary number theory	SDCMATT01	50	10	40	2	2
12	Mechanism of home appliances	AOCT18	50	10	40	2	2

B.Sc. (MPC) SEMESTER - IV

S.no	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -III	ENGT01A	100	25	75	4	3
2	Linear algebra	MATT41A	100	25	75	6	5
3	Electricity magnetism and electronics	PHYT41A	100	25	50+25 (LAB)	5	4
4	Modern physics	PHYT01	100	25	75	5	4
5	Electricity magnetism and electronics-lab	PHYP41	50	10	40	2	1
6	Operating systems	CSCT41C	100	25	75	5	4
7	Modern physics-lab	PHYP01	50	10	40	2	1
8	Operating systems -LAB	CSCP41C	50	10	40	2	1
9	Personality enhancement and leadership	LSCT11	50	10	40	2	2
10	Internship	CAIP4	100		100		4
11	Business communication	SDCENGT03	50	10	40	2	2
12	Concept of arithmetic	AOCMATT02	50	10	40	2	2

B.Sc. (MPC) SEMESTER - V

S.no	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Ring Theory & Vector Calculus	MATT51	100	25	75	4	5
2	Linear Algebra	MATT52	100	25	75	4	5
3	Electricity, Magnetism & Electronics	PHYT51	100	25	75	3	3
4	Modern Physics	PHYT52	100	25	75	3	3
5	Inorganic, Organic & Physical Chemistry-I	CHEP51	100	25	75	3	3
6	Inorganic, Organic & Physical Chemistry-II	CHEP52	100	25	75	4	3
7	Physics-V(Practical's)	PHYP51	50	10	40	2	2
8	Physical &General chemistry	CHEP51	50	10	40	2	2
9	Physics-VI(Practical's)	PHYP52	50	10	40	2	2
10	Physical &General	CHEP52	50	10	40	2	2

B.Sc. (MPC) SEMESTER - VI

S.no	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Numerical Analysis	MATTEL61	100	25	75	4	5
Elective 1	Material Science	PHYTEL62	100	25	75	4	3
Elective 2	Analog and Digital Electronics	PHYTELS63	100	25	75	4	3
Elective 1	Analytical Methods In Chemistry	CHETEL61	100	25	75	3	3
Elective 2	Environmental chemistry	CHE TCLS68	100	25	75	3	3
Elective 3	Green chemistry	CHE TCLS69	100	25	75	3	3
Cluster Elective 1	Discrete Mathematics	MATTCL64	100	25	75	3	5
Cluster Elective 2	Graph Theory	MATTCL65	100	25	75	2	5
Cluster Elective 3	Special Functions	MATTCL66	100	25	75	2	5
Cluster Elective 4	Laplace Transforms and its applications	MAT TCLS67	100	25	75	3	5
Cluster Elective 5	Fourier Series and Fourier Transforms	MAT TCLS68	100	25	75	2	5
Cluster Elective 6	Advanced Numerical Analysis	MAT TCLS69	100	25	75	2	5
Cluster Elective 1	Fundamentals Of Nano Science	PHYTCL64	100	25	75	3	3
Cluster Elective 2	Renewable Energy	PHYTCL65	100	25	75	3	3
Cluster Elective 3	Electronics Instrumentation	PHY TCLS67	100	25	75	3	3
Cluster Elective 4	Introduction to Microprocessors and micro controllers	PHY TCLS66	100	25	75	3	3
Cluster Elective 1	Polymer Chemistry	CHETCL65	100	25	75	3	3
Cluster Elective 2	Fuel Chemistry And Batteries	CHETCL66	100	25	75	3	3
Cluster Elective 3	Pharmaceutical and Medical Chemistry	CHETCL67	100	25	75	3	3

Cluster Elective 4	Instrumental Methods of Analysis	CHE TCLS610	100	25	75	3	3
Cluster Elective 5	Analysis of Drugs, Foods, Dairy Products and Biochemical Analysis	CHE TCLS611	100	25	75	3	3
Cluster Elective 6	Inorganic materials of Industrial Importance	CHE TCLS612	100	25	75	3	3
Cluster Elective 7	Analysis of applied Industrial Products	CHE TCLS613	100	25	75	3	3
Cluster Elective 8	Organic Spectroscopic Techniques	CHE TCLS614	100	25	75	3	3
Cluster Elective 9	Advanced Organic Compounds	CHE TCLS615	100	25	75	3	3

Practical's

Elective 1	Material Science Lab	PHYPEL62	50	10	40	3	2
Elective 2	Analog and Digital Electronics	PHY PELS63	50	10	40	3	2
Elective 1	Analytical Methods In Chemistry Lab	CHEPEL61	50	10	40	2	2
Elective 2	Environmental chemistry	CHE PCLS68	100	25	75	3	3
Elective 3	Green chemistry	CHE PCLS69	100	25	75	3	3
Cluster Elective 1	Computational Methods & Programming Lab	PHYPCL62	50	10	40	2	2
Cluster Elective 2	Fundamentals Of Nano Science Lab	PHYPCL64	50	10	40	2	2
Cluster Elective 3	Renewable Energy Lab	PHYPCL65	50	10	40	2	2
Cluster Elective 4	Electronics Instrumentation	PHY PCLS67	50	10	40	2	2
Cluster Elective 5	Introduction to Microprocessors and micro controllers	PHY PCLS66	50	10	40	2	2
Cluster Elective 1	Preparations Of Organic Compounds	CHEPCL65	50	10	40	2	2
Cluster Elective 2	Electrochemistry And Volumetric Analysis	CHEPCL66	50	10	40	2	2
Cluster elective 3	Chemistry-Project Work	CHEPWCL67	50	10	40	2	2

B.Sc. (BZC) SEMESTER -I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Fundamentals of Microbes and Non-Vascular plants	BOTT11A	100	25	75	5	4
5	Animal Diversity Biology of Non-chordates	ZOOT11A	100	25	75	5	4
6	Inorganic & Physical Chemistry	CHET11A	100	25	75	5	4
7	Fundamentals of Microbes and Non-Vascular plants Lab	BOTP11A	50	10	40	3	2
8	Animal Diversity Biology of Non-chordates Lab	ZOOP11A	50	10	40	3	2
9	Analysis of Salt mixture Lab	CHEP11A	50	10	40	3	2
10	Computer Fundamentals & Office Tools	LSCP02	50	10	40	2	2
11	Plant Nursery management	SDCBOTP01	50	10	40	2	2

B.Sc. (BZC) SEMESTER -II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Basics of Vascular Plants and Phytogeography	BOTT21A	100	25	75	5	4
5	Animal Diversity – Biology of Chordates	ZOOT21A	100	25	75	5	4
6	Organic and General Chemistry	CHET21A	100	25	75	5	4
7	Basics of Vascular Plants and Phytogeography Lab	BOTP21A	50	10	40	2	1
8	Animal Diversity – Biology of Chordates Lab	ZOOP21A	50	10	40	2	1
9	Volumetric Analysis Lab	CHEP21A	50	10	40	2	1

10	Internal Fundamentals and Web Tools	LSCP07	50	10	40	2	2
11	Environmental Studies	CLSCT01	50	10	40	2	2
12	Food Adulteration	SDCCHEP01	50	10	40	2	2
13	Community service project	CAIP2	100		100		4

B.Sc. (BZC) SEMESTER -III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - III	ENGT01A	100	25	75	4	3
2	Anatomy, Embryology of angiosperm, plant ecology and biodiversity	BOTT31A	100	25	75	5	4
3	Cell biology, cellular metabolism, genetics, organic evaluation and animal behavior	ZOOT31A	100	25	75	5	4
4	Organic chemistry and spectroscopy	CHE31A	100	25	75	5	4
5	Anatomy, Embryology of angiosperm, plant ecology and biodiversity-LAB	BOTP31A	50	10	40	2	1
6	Cell biology, cellular metabolism, genetics, organic evaluation and animal behavior	ZOOP31A	50	10	40	2	1
7	Organic preparation and IR spectral analysis lab	CHEP31A	50	10	40	2	1
8	Health and hygiene	LSCT12	50	10	40	2	2
9	Aquarium fish keeping and maintenance	SDCZOOP01	50	10	40	2	2
10	Vermi composte technology	SDCZOOP02	50	10	40	2	2
11	Herbarium methodology	AOCT14	50	10	40	2	2
12	Plant physiology and metabolism	BOTT01	100	25	75	5	4
13	Plant physiology and metabolism-LAB	BOTP01	50	10	40	2	1

B.Sc. (BZC) SEMESTER -IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3

3	Cell biology and genetics and plant breeding	BOTT41A	100	25	75	5	4
4	Embryology, Animal Physiology & Ecology	ZOOT41	100	25	75	5	4
5	Immunology and animal biotechnology	ZOOTO2	100	25	75	5	4
6	Inorganic and physical chemistry	CHET41A	100	25	75	5	4
7	Inorganic organic and physical chemistry	CHET01	100	25	75	5	4
6	Cell biology and genetics and plant breeding-LAB	BOTP41A	50	10	40	2	1
7	Embryology, Animal Physiology & Ecology-LAB	ZOOP41	50	10	40	2	1
8	Conductometric and potentiometric titrimetry lab	CHEP41A	50	10	40	2	1
9	Organic qualitative analysis lab	CHEP01	50	10	40	2	1
10	Internship	CAIP4	100		100		4
11	Concepts of arithmetic	AOCMATT02	50	10	40	2	2

B.Sc. (BZC) SEMESTER -V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Cell Biology, Genetics and Plant Breeding	BOTT51	100	25	75	4	3
2	Plant Ecology and Phytogeography	BOTT52	100	25	75	4	3
3	Animal Biotechnology	ZOOT51	100	25	75	4	3
4	Animal Husbandry	ZOOT52	100	25	75	4	3
5	Inorganic, Organic & Physical Chemistry -I	CHET51	100	25	75	4	3
6	Inorganic, Organic & Physical Chemisry -II	CHET52	100	25	75	4	3
7	Botany - V	BOTP51	50	10	40	2	2
8	Zoology - V	ZOOP51	50	10	40	2	2
9	Chemistry - V	CHEP51	50	10	40	2	2
10	Botany - VI	BOTP52	50	10	40	2	2
11	Zoology - VI	ZOOP52	50	10	40	2	2
12	Chemistry -- VI	CHEP52	50	10	40	2	2

B.Sc. (BZC) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Plant Tissue Culture and Its Biotechnological Applications	BOTTEL61	100	25	75	4	3
Elective 2	Organic Framing & Sustainable Agriculture	BOT TELS64	100	25	75	4	3
Elective 3	Nursery Gardening and Floriculture	BOT TELS65	100	25	75	4	3

Elective 1	Immunology	ZOOTEL61	100	25	75	4	3
Elective 2	Bioinformatics	ZOO TELS62	100	25	75	4	3
Elective 1	Analytical Methods in Chemistry	CHETEL61	100	25	75	4	3
Elective 2	Environmental Chemistry	CHE TCLS68	100	25	75	4	3
Elective 3	Green Chemistry	CHE TCLS69	100	25	75	4	3
Cluster Elective 1	Plant Diversity and Human Welfare	BOTTCL61	100	25	75	4	3
Cluster Elective 2	Ethnobotany and Medicinal Botany	BOTTCL62	100	25	75	4	3
Cluster Elective 3	Pharmacognosy and Phytochemistry	BOTTCL63	100	25	75	4	3
Cluster Elective 4	Biological Instrumentation and methodology	BOT TCLS64	100	25	75	4	3
Cluster Elective 5	Mushroom Culture and Technology	BOT TCLS65	100	25	75	4	3
Cluster Elective 1	Principles of Aquaculture	ZOOTCL61	100	25	75	4	3
Cluster Elective 2	Aquaculture Management	ZOOTCL62	100	25	75	4	3
Cluster Elective 3	Post-Harvest Technology	ZOOTCL63	100	25	75	4	3
Cluster Elective 4	Clinical Biochemistry	ZOO TCLS64	100	25	75	4	3
Cluster Elective 5	Haematology	ZOO TCLS65	100	25	75	4	3
Cluster Elective 6	Clinical Microbiology	ZOO TCLS66	100	25	75	4	3
Cluster Elective 1	Polymer Chemistry	CHETCL65	100	25	75	4	3
Elective Cluster 2	Fuel Chemistry and Batteries	CHETCL66	100	25	75	4	3

Cluster Elective 3	Pharmaceutical and Medicinal Chemistry	CHE TCL67	100	25	75	4	3
Cluster Elective 4	Instrumental Methods of Analysis	CHE TCLS610	100	25	75	4	3
Cluster Elective 5	Analysis of Drugs, Foods, Dairy Products and Biochemical Analysis	CHE TCLS611	100	25	75	4	3
Cluster Elective 6	Inorganic materials of Industrial Importance	CHE TCLS612	100	25	75	4	3
Cluster Elective 7	Analysis of applied Industrial Products	CHE TCLS613	100	25	75	4	3
Cluster Elective 8	Organic Spectroscopic Techniques	CHE TCLS614	100	25	75	4	3
Cluster Elective 9	Advanced Organic Compounds	CHE TCLS615	100	25	75	4	3
Elective 1	Plant Tissue Culture and Its Biotechnological Applications	BOTPEL61	50	10	40	2	2
Elective 2	Organic Framing & Sustainable Agriculture	BOT PELS64	50	10	40	2	2
Elective 3	Nursery Gardening and Floriculture	BOT PELS64	50	10	40	2	2
Elective 1	Immunology Lab	ZOOPEL61	50	10	40	2	2
Elective 2	Bioinformatics	ZOO PELS62	50	10	40	2	2
Elective 1	Analytical Methods in Chemistry Lab	CHEPEL61	50	10	40	2	2
Elective 2	Environmental Chemistry lab	CHE PELS68	50	10	40	2	2
Elective 3	Green Chemistry lab	CHE PELS69	50	10	40	2	2
Practical's							
Cluster Elective 1	Plant Diversity and Human Welfare Lab	BOTPCL61	50	10	40	2	2
Cluster Elective 2	Ethnobotany and Medicinal Botany Lab	BOTPCL62	50	10	40	2	2
Cluster Elective 3	Pharmacognosy and Phytochemistry Lab	BOTPCL63	50	10	40	2	2
Cluster Elective 4	Biology Instrumentation and	BOT TCLS64	50	10	40	2	2

Cluster Elective 5	methodology						
	Mushroom Culture and Technology	BOT TCLS65	50	10	40	2	2
	Project work	BOTPWS60	50	10	40	2	2
Cluster Elective 1	Principles of Aquaculture Lab	ZOOPCL61	50	10	40	2	2
Cluster Elective 2	Aquaculture Management Lab	ZOOPCL62	50	10	40	2	2
Cluster Elective 3	Post-Harvest Technology Lab	ZOOPCL63	50	10	40	2	2
Cluster Elective 4	Clinical Biochemistry lab	ZOO PCLS64	50	10	40	2	2
Cluster Elective 5	Haematology lab	ZOO PCLS65	50	10	40	2	2
Cluster Elective 6	Clinical Microbiology lab	ZOO PCLS66	50	10	40	2	2
Cluster Elective 1	Preparation of Organic Compounds	CHE PCL65	50	10	40	2	2
Cluster Elective 2	Electrochemistry and Volumetric Analysis	CHE PCL66	50	10	40	2	2
	Chemistry Project Work	CHE PWCL67	50	10	40	2	2

B.Sc. (MPCS) SEMESTER - I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Differential Equations	MATT11A	100	25	75	6	5
5	Mechanics, Waves and Oscillations	PHYT11B	100	25	75	5	4
6	Problem Solving in C	CSCT11B	100	25	75	5	4
7	Mechanics, Waves and Oscillations Lab	PHYP11B	50	10	40	2	1
8	Problem Solving in C Lab	CSCP11B	50	10	40	2	1
9	Environmental Studies	CLSCT01	50	10	40	2	2
10	Elementary number theory	SDCMATT01	50	10	40	2	2
11	Electrical Appliances	SDCPHYP01	50	10	40	2	2

B.Sc. (MPCS) SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	100	25	75	6	5
5	Wave Optics	PHYT21C	100	25	75	5	4
6	Data Structures	CSCT21B	100	25	75	5	4
7	Wave Optics Lab	PHYP21 B	50	10	40	2	1
8	Data Structures Lab	CSCP21B	50	10	40	2	1
9	Human values and professional ethics	LSCT06	50	10	40	2	2
10	Solar Energy	SDCPHYP02	50	10	40	2	2
11	Community service project	CAIP2	100		100		4

B.Sc. (MPCS) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3
3	Abstract Algebra	MATT31	100	25	75	6	5
4	Heat and thermodynamics	PHYT31A	100	25	75	5	4
5	Data base management	CSCT34B	100	25	75	5	4
6	Heat and thermodynamics-lab	PHYP31A	50	10	40	2	1
7	Data base management	CSCP33A	50	10	40	2	1
8	Three dimensional analytical solid geometry	MATT02	100	25	75	4	3
9	Object oriented programming using java	CSCT01	100	25	75	5	4
10	Elementary number theory	SDCMATT01	50	10	40	2	2
11	Mechanism of home appliances	AOCT18	50	10	40	2	2
12	Object oriented	CSCP01	50	10	40	2	1

programmin g using java-LAB						
-----------------------------------	--	--	--	--	--	--

B.Sc. (MPCS) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -III	ENGT01A	100	25	75	4	3

2	Linear algebra	MATT41A	100	25	75	6	5
3	Electricity magnetism and electronics	PHYT41A	100	25	75	5	4
4	Operating systems	CSCT41C	100	25	75	5	4
5	Modern physics	PHYT01	100	25	75	5	4
6	Operating systems-LAB	CSCP41C	50	10	40	2	2
7	Personality enhancement and leadership	LSCT11	50	10	40	2	1
8	Business communication	SDCENGT03	50	10	40	2	2
9	Concepts of arithmetic	AOCMATT02	50	10	40	2	2
10	Electricity magnetism and electronics-LAB	PHYP41A	50	10	40	2	1
11	Modern physics-LAB	PHYP01	50	10	40	2	1
12	Internship	CAIP4	100		100		4

B.Sc. (MPCS) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Ring Theory and Vector calculus	MATT51	100	25	75	5	5
2	Linear Algebra	MATT52	100	25	75	5	5
3	Electricity, Magnetism & Electronics	PHYT51	100	25	75	4	3
4	Modern Physics	PHYT52	100	25	75	4	3
5	Software Engineering	CSCT51	100	25	75	4	3
6	Data base management system	CSCT52	100	25	75	4	3
7	Physics V	PHYP51	50	10	40	2	2
8	Computer Science V	CSCP51	50	10	40	2	2
9	Physics VI	PHYP52	50	10	40	2	2
10	Computer Science VI	CSCP52	50	10	40	2	2

B.Sc. (MPCS) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Numerical Analysis	MATTEL61	100	25	75	5	5

Elective 1	Material Science	PHYTEL62	100	25	75	4	3
Elective 2	Analog Digital Electronics and	PHY TELS63	100	25	75	4	3

Elective 1	Web Technologies	CSCTEL62	100	25	75	4	3
Elective 2	Operating System	CSCTCLS63	100	25	75	4	3
Elective 3	Computer Networks	CSCTCLS64	100	25	75	4	3
Cluster Elective 1	Discrete Mathematics	MATTCL64	100	25	75	3	5
Cluster Elective 2	Graph Theory	MATTCL65	100	25	75	2	5
Cluster Elective 3	Special Functions	MATTCL66	100	25	75	2	5
Cluster Elective 4	Laplace Transforms	MAT TELS63	100	25	75	3	5
Cluster Elective 5	Advanced Numerical Analysis	MAT TELS64	100	25	75	2	5
Cluster Elective 6	Fourier Series and Fourier Transforms	MAT TELS65	100	25	75	2	5
Cluster Elective 1	Computational Methods & Programming	PHYTCL62	100	25	75	3	3
Cluster Elective 2	Fundamentals Of Nano Science	PHYTCL64	100	25	75	3	3
Cluster Elective 3	Renewable Energy	PHYTCL65	100	25	75	3	3
Cluster Elective 4	Electronics Instrumentation	PHY TCLS67	100	25	75	3	3
Cluster Elective 5	Introduction to Microprocessors and micro controllers	PHY TCLS66	100	25	75	3	3
Cluster Elective 1	Foundation of Data Science	CSCTCL61	100	25	75	4	3
Cluster Elective 2	Big Data Technology	CSCTCL62	100	25	75	4	3
Cluster Elective 3	Distributed System	CSC TCLS610	100	25	75	4	3
Cluster Elective 4	Cloud Computing	CSC TCLS65	100	25	75	4	3
Cluster Elective 5	Grid computing	CSC TCLS66	100	25	75	4	3
Cluster Elective 6	Mobile computing	CSC TCLS67	100	25	75	4	3

Cluster Elective 7	Mobile Application Development	CSC TCLS68	100	25	75	4	3
Cluster Elective 8	Satellite communication	CSC TCLS69	100	25	75	4	3
Practicals							
Elective 1	Material Science Lab	PHYPEL62	50	10	40	3	2
Elective 2	Analog and Digital Electronics lab	PHY PELS63	50	10	40	3	2
Elective 1	Web Technologies lab	CSCPEL62	50	10	40	2	2
Elective 2	Operating System lab	CSC PCLS63	50	10	40	2	2
Elective 3	Computer Networks lab	CSC PCLS64	50	10	40	2	2
Cluster Elective 1	Computational Methods & Programming Lab	PHYPC62	50	10	40	2	2
Cluster Elective 2	Fundamentals Of Nano Science Lab	PHYPC64	50	10	40	2	2
Cluster Elective 3	Renewable Energy Lab	PHYPC65	50	10	40	2	2
Cluster Elective 4	Electronics Instrumentation	PHY PCLS67	50	10	40	2	2
Cluster Elective 5	Introduction to Microprocessors and micro controllers	PHY PCLS66	50	10	40	2	2
Cluster Elective 1	Data Science lab	CSC PCL61	50	10	40	2	2
Cluster Elective 2	Big Data Lab	CSC PCL62	50	10	40	2	2
Cluster Elective 3	Cloud Computing	CSC PCLS65	50	10	40	2	2
Cluster Elective 4	Grid computing	CSC PCLS66	50	10	40	2	2
Cluster Elective 5	Mobile computing	CSC PCLS67	50	10	40	2	2
Cluster Elective 6	Mobile Application Development	CSC PCLS68	50	10	40	2	2
	Computer science-project work	CSCPWCL63	100	25	75	4	5

B.Sc. (MScS) SEMESTER - I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - I	ENG T11B	100	25	75	4	3
2	Hindi-I	HIN T11A	100	25	75	4	3
3	Telugu-I	TEL T11A	100	25	75	4	3
4	Environmental studies	CLSCT01	50	10	40	2	2
5	Human Values and Professional Ethics	LSCT06	50	10	40	2	2
6	Journalistic reporting	SDCENGT01	50	10	40	2	2
7	Differential equations	MAT T11A	100	25	75	5	5
8	Descriptive Statistics and theory of probability	STA T11B	100	25	75	5	4
9	Problem Solving in C	CSC T11B	100	25	75	5	4
10	Descriptive Statistics Lab	STA P11B	50	10	40	2	1
11	Problem Solving in C Lab	CSC P11B	50	10	40	2	1

B.Sc. (MScS) SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	50	10	40	6	5
5	Probability Distributions And statistical methods-lab	STAT2IC	50	10	40	2	1
6	Data Structures	CSCT21B	100	25	75	5	4
7	Probability Distributions And statistical methods	STAP21C	100	25	75	5	4
	Data Structures Lab	CSCP21B	50	10	40	2	1
9	Community service project	CAIP2	100		100		4
10	Elementary number theory	SDCCSCT02	50	10	40	2	2
11	Digital Marketing	SDCCSCT02	50	10	40	2	2

B.Sc. (MScS) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HIN T01	100	25	75	4	3
2	Telugu-III	TEL T01	100	25	75	4	3

3	Abstract Algebra	MAT T31	100	25	75	5	5
4	Statistical inference	STA T37	100	25	75	5	4
5	Oops using java	CSC T01	100	25	75	5	4
6	Oops using java-LAB	CSC P01	50	10	40	2	1
7	Analytical Skills	LSCT03	50	10	40	2	2
8	Business Communication	SDCENGT03	50	10	40	2	2
9	Statistical inference-LAB	STA P37	50	10	40	2	1
10	Database management systems	C SCT34B	100	25	75	5	4
11	Database management systems -LAB	C SCP33A	50	10	40	2	1

B.Sc. (MSCS) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -III	ENG T01A	100	25	75	4	3
2	Concept of arithmetic	AOCMATT02	50	10	40	2	2
3	Internship	CAIP4	100		100		4
4	Sampling techniques and design of experiments-LAB	STA P41B	50	10	40	2	2
5	Linear algebra	MAT T41A	100	25	75	5	5
6	Sampling techniques and design of experiments	STA T41B	100	25	75	5	4
7	Operating systems	CSC T41C	100	25	75	5	4
8	Applied statistics-lab	STAP01	50	10	40	2	2
9	Operating systems-LAB	CSC P41C	50	10	40	2	2
10	Applied statistics	STAT01	100	25	75	5	4
11	Three dimensional analytical solid geometry	MATT02	100	25	75	5	5

B.Sc. (MSCS) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Ring Theory & Vector Calculus	MAT T51	100	25	75	5	5

2	Linear Algebra	MAT T52	100	25	75	5	5
3	Design of sample surveys	STA T51	100	25	75	4	3
4	Linear Programming Techniques	STA T52	100	25	75	4	3
5	Software Engineering	CSC T51	100	25	75	4	3
6	Data base Management Systems	CSC T52	100	25	75	4	3

7	Design of sample surveys Practical	STA P51	50	10	40	2	2
8	Computer Science-V	CSC P51	50	10	40	2	2
9	Statistical Data Analysis using SPSS and Operations Research -I	STA P52	50	10	40	2	2
10	Computer Science-VI	CSC P52	50	10	40	2	2

B.Sc. (MSCS) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Numerical Analysis	MATTEL61	100	25	75	4	5
Elective 1	Operations Research	STA TEL61	100	25	75	4	3
Elective 2	Applied Statistics	STA TELS62	100	25	75	4	3
Elective 1	Web Technologies	CSC TEL62	100	25	75	4	3
Elective 2	Operating System	CSC TCLS65	100	25	75	4	3
Elective 3	Computer Networks	CSC TCLS66	100	25	75	4	3
Cluster Elective 1	Discrete Mathematics	CSC TCLS67	100	25	75	5	5
Cluster Elective 2	Graph Theory	CSC TCLS68	100	25	75	5	5
Cluster Elective 3	Special functions	MAT TCL66	100	25	75	5	5
Cluster Elective 4	Laplace Transforms	MAT TCLS67	100	25	75	3	5
Cluster Elective 5	Advanced Numerical Analysis	MAT TCLS68	100	25	75	2	5
Cluster Elective 6	Fourier Series and Fourier Transforms	MAT TCLS69	100	25	75	2	5
Cluster Elective 1	Hybrid Operations Research Models	STA TCL61	100	25	75	4	3
Cluster Elective 2	Stochastic Operations Research Models	STA TCL62	100	25	75	4	3
Cluster Elective	Time Series	STA TCLS63	100	25	75	4	3

3							
Cluster Elective 4	Design of Experiments	STA TCLS65	100	25	75	4	3
Cluster Elective 1	Foundation of Data Science	CSCTCL61	100	25	75	4	3
Cluster Elective 2	Big Data Technology	CSCTCL62	100	25	75	4	3
Cluster Elective 3	Distributed System	CSC TCLS610	100	25	75	4	3
Cluster Elective 4	Cloud Computing	CSC TCLS65	100	25	75	4	3
Cluster Elective 5	Grid computing	CSC TCLS66	100	25	75	4	3
Cluster Elective 6	Mobile computing	CSC TCLS67	100	25	75	4	3
Cluster Elective 7	Mobile Application Development	CSC TCLS68	100	25	75	4	3
Cluster Elective 8	Satellite communication	CSC TCLS69	100	25	75	4	3

Practical's

Elective 1	Statistical Data Analysis Using SPSS And Operations Research II Practical	STA PEL61	100	25	75	4	2
Elective 2	Applied Statistics	STA PELS62	100	25	75	4	2
Elective 2	Operating System	CSC PCLS65	50	10	40	2	2
Elective 3	Computer Networks	CSC PCLS66	50	10	40	2	2
Elective 1	Data Science lab	CSC PEL61	50	10	40	2	2
Elective 2	Web Technologies Lab	CSCPEL62	50	10	40	2	2
Cluster Elective 1	Hybrid Operations Research Models Lab	STA PCL61	50	10	40	2	2
Cluster Elective 2	Stochastic Operations Research Models Lab	STA PCL 62	50	10	40	2	2
Cluster Elective 3	Time Series	STA PCLS63	100	25	75	4	2
Cluster Elective	Design of Experiments	STA PCLS65	100	25	75	4	2

4							
	Project	STA PWCL63	50	10	40	2	5
	Project Work	STA PWCLS66	50	10	40	2	5
Cluster Elective 1	Foundation of Data Science	CSC PCL61	100	25	75	4	3
	Big data lab	CSCPCL62	50	10	40	2	2
Cluster Elective 2	Big data Technology	CSC PCL62	100	25	75	4	3
	Cloud Computing	CSC PCLS65	100	25	75	4	3
Cluster Elective 3	Grid computing	CSC PCLS66	100	25	75	4	3
Cluster Elective 4	Mobile computing	CSC PCLS67	100	25	75	4	3
Cluster Elective 5	Mobile Application Development	CSC PCLS68	100	25	75	4	3
	Project	CSC PWCL63	50	10	40	2	5

B.Sc. (MECS) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu - I	TELT11A	100	25	75	4	3
4	Differential Equations	MATT11A	100	25	75	5	5
5	Circuit Theory and Electronic Devices	ELET11B	100	25	75	5	4
6	Problem Solving in C	CSCT11B	100	25	75	5	4
7	Circuit Theory and Electronic Devices Lab	ELEP11B	50	10	40	2	1
8	Problem Solving in C Lab	CSCP11B	50	10	40	2	1
9	Environmental Studies	CLSCT01	50	10	40	2	2
10	Elementary` number theory	SDCMATT01	50	10	40	2	2
11	Electronic System Design and Manufacture with PCB	SDCELEP01	50	10	40	2	2
12	Descriptive statistics	AOCT19	50	10	40	2	2

B.Sc. (MECS) Semester – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	100	25	75	5	5
5	Digital Electronics	ELET21C	100	25	75	5	4
6	Data Structures	CSCT21B	100	25	75	5	4
7	Digital Electronics Lab	ELEP21C	50	10	40	2	1
8	Data Structures Lab	CSCP21B	50	10	40	2	1
9	Community service project	CAIP2	100		100		4
10	Human values and professional ethics	LSCT06	50	10	40	2	2
11	Digital Marketing	SDCCSCT02	50	10	40	2	2

B.Sc. (MECS) Semester – III

Sno	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
1	Hindi III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3
3	Abstract Algebra	MATT31	100	25	75	5	5
4	Digital Electronics	ELET31	100	25	75	4	3
5	Database management systems	CSCCT34B	100	25	75	5	4
6	Digital Electronics-lab	ELEP31	50	10	40	2	1
7	Database management systems-lab	CSCP31	50	10	40	2	1
8	Analog circuits and communications	ELET01	100	25	75	5	4
9	Analog circuits and communications-lab	ELEP01	50	10	40	2	1
10	Three dimensional analytical solid geometry	MATT02	100	25	75	5	5

B.Sc. MECS) Semester – IV

Sno	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
1	English Praxis-III	ENGT01	100	25	75	4	3
2	Linear algebra	MATT41A	100	25	75	5	5
3	Microcontrollers and interfacing	ELET41A	100	25	75	5	4
4	Operating systems	CSCCT41C	100	25	75	5	4
5	Microcontrollers and interfacing-lab	ELEP41A	50	10	40	2	1
6	Operating systems Lab	CSCP41C	50	10	40	2	1
7	Object oriented programming using java	CSCCT01	100	25	75	5	4
8	Object oriented programming using java-LAB	CSCP01	50	10	40	2	1
9	Business Communication	SDCENGT03	50	10	40	2	2
10	Internship	CAIP4	100		100		4
11	Personality enhancement and leadership	LSCT11	50	10	40	2	2

B.Sc. (MECS) Semester – V

Sno	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
1	Ring Theory And Vector Calculus	MATT51	100	25	75	5	5
2	Linear Algebra	MATT52	100	25	75	5	5

3	Analog And Digital Communications	ELET51	100	25	75	4	3
4	Microprocessor system	ELET52	100	25	75	4	3
5	Software Engineering	CSCT51	100	25	75	4	3
6	Data Base Management Systems	CSCT52	100	25	75	4	3
7	Electronics-V	ELEP51	50	10	40	2	2
8	Computer Science-V	CSCP51	50	10	40	2	2
9	Electronics-VI	ELEP52	50	10	40	2	2
10	Computer Science-VI	CSCP52	50	10	40	2	2

B.Sc. (MECS) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Numerical Analysis	MATTEL61	100	25	75	4	5
Elective	Micro Controller & Interfacing	ELETEL61	100	25	75	4	3
Elective 1	Web Technologies	CSC TEL62	100	25	75	4	3
Elective 2	Operating System	CSC TCLS63	100	25	75	4	3
Elective 3	Computer Networks	CSC TCLS64	100	25	75	4	3
Cluster Elective 1	Discrete Mathematics	MAT TCL64	100	25	75	5	5
Cluster Elective 2	Graph Theory	MAT TCL65	100	25	75	5	5
Cluster Elective 3	Special functions	MAT TCL66	100	25	75	5	5
Cluster Elective 4	Laplace Transforms	MAT TCLS67	100	25	75	3	5
Cluster Elective 5	Advanced Numerical Analysis	MAT TCLS68	100	25	75	2	5
Cluster Elective 6	Fourier Series and Fourier Transforms	MAT TCLS69	100	25	75	2	5
Cluster Elective 1	Embedded System Design	ELETCL61	100	25	75	4	3
Cluster Elective 2	Electronic Instrumentation	ELETCL62	100	25	75	4	3
Cluster Elective 3	Optical fibre communication	ELE TCLS63	100	25	75	4	3

Cluster Elective 4	Consumer Electronics	ELE TCLS64	100	25	75	4	3
Cluster Elective 5	Control System	ELE TCLS65	100	25	75	4	3
Cluster Elective 6	Computer Networks	ELE TCLS66	100	25	75	4	3
Cluster Elective 7	PC Maintenance and trouble shooting	ELE TCLS67	100	25	75	4	3
Cluster Elective 1	Foundation of Data Science	CSCTCL61	100	25	75	4	3
Cluster Elective 2	Big Data Technology	CSCTCL62	100	25	75	4	3
Cluster Elective 3	Distributed System	CSC TCLS610	100	25	75	4	3
Cluster Elective 4	Cloud Computing	CSC TCLS65	100	25	75	4	3
Cluster Elective 5	Grid computing	CSC TCLS66	100	25	75	4	3
Cluster Elective 6	Mobile computing	CSC TCLS67	100	25	75	4	3
Cluster Elective 7	Mobile Application Development	CSC TCLS68	100	25	75	4	3
Cluster Elective 8	Satellite communication	CSC TCLS69	100	25	75	4	3

Practical's

Elective	Micro Controller Lab	ELEPEL61	50	10	40	4	2
Elective 1	Data Science lab	CSC PEL61	50	10	40	2	2
Elective 2	Web Technologies Lab	CSC PEL62	50	10	40	2	2
Cluster Elective 1	Embedded System Design Lab	ELEPCL61	50	10	40	2	2
Cluster Elective 2	Electronic Instrumentation Lab	ELEPCL62	50	10	40	2	2
Cluster Elective 3	Optical fibre communication	ELE PCLS63	50	10	40	2	2
Cluster Elective 4	Consumer Electronics	ELE PCLS64	50	10	40	2	2
Cluster Elective 5	Control System	ELE PCLS65	50	10	40	2	2

Cluster Elective 6	Computer Networks	ELE PCLS66	50	10	40	2	2
Cluster Elective 7	PC Maintenance and trouble shooting	ELE PCLS67	50	10	40	2	2
	Project	ELEPWCL63	100	25	75	2	5
Elective 2	Operating System	CSC TCLS63	50	10	40	4	2
Elective 3	Computer Networks	CSC TCLS64	50	10	40	4	2
Cluster Elective 1	Data Science	CSC PCL61	50	10	40	4	2
Cluster Elective 2	Big data lab	CSC PCL62	50	10	40	2	2
Cluster Elective 3	Cloud Computing	CSC PCLS65	50	10	40	2	2
Cluster Elective 4	Grid computing	CSC PCLS66	50	10	40	2	2
Cluster Elective 5	Mobile computing	CSC PCLS67	50	10	40	2	2
Cluster Elective 6	Mobile Application Development	CSC PCLS68	50	10	40	4	3
	Project	CSC PWCL63	50	10	40	2	5

B.Sc. (MSCA) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu - I	TELT11A	100	25	75	4	3
4	Differential Equations	MATT11A	100	25	75	5	5
5	Descriptive Statistics and Theory of probability	STAT11B	100	25	75	5	4
6	Problem Solving in C	CSCT11B	100	25	75	5	4
7	Descriptive Statistics Lab	STAP11B	50	10	40	2	1
8	Problem Solving in C Lab	CSCP11B	50	10	40	2	1
9	Environmental Studies	CLSCT01	50	10	40	2	2
10	Human Values and Professional Ethics	LSCT06	50	10	40	2	2
11	Journalistic reporting	SDCENGT 01	50	10	40	2	2

B.Sc. (MSCA) SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	100	25	75	6	5
5	Probability Distributions and statistical methods	STAT21C	100	25	75	5	4
6	Data Structures	CSCT21B	100	25	75	5	4
7	Probability Distributions and statistical methods Lab	STAP21C	50	10	40	2	1
8	Data Structures Lab	CSCP21B	50	10	40	2	1
9	Elementary number theory	SDCMATT01	50	10	40	2	2
10	Community service project	CAIP2	100		100		4
11	Digital Marketing	SDCCSCT02	50	10	40	2	2

B.Sc. (MSCA) SEMESTER - III

S.No	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HIN T01	100	25	75	4	3
2	Telugu-III	TEL T01A	100	25	75	4	3
3	Abstract Algebra	MAT T31	100	25	75	5	5
4	Statistical Inference	STA T37	100	25	75	5	5
5	Oops using java	CSC T01	100	25	75	5	4
6	Statistical Inference-lab	STA P37	50	10	40	2	1
7	Oops using java-LAB	CSC P01	50	10	40	2	1
8	Database management systems	CSCT34B	100	25	75	5	4
9	Database management systems-LAB	CSCP33A	50	10	40	2	1
10	Three dimensional analytical solid geometry	MATT02	100	25	75	5	5

B.Sc. (MSCA) SEMESTER - IV

S.No	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
------	--------	-------------	-------------	---------	--------------	----------------	---------

1	English Praxis -III	ENG T01A	100	25	75	4	3
2	Business Communication	SDCENGTO3	50	10	40	2	2
3	Personality enhancement and leadership	LSCT11	50	10	40	2	2
4	Concept of arithmetic	AOCMATT02	50	10	40	2	2
5	Internship	CAIP4	100		100		4
6	Sampling techniques and design of experiments	STA T41B	100	25	75	5	4
7	Operating systems	CSC T41C	100	25	75	5	4
8	Sampling techniques and design of experiments-LAB	STA P41B	50	10	40	2	1
9	Operating systems lab	CSC P41C	50	10	40	2	1
10	Linear algebra	MATT41A	100	25	75	5	5
11	Applied statistics	STAT01	100	25	75	5	4
12	Applied statistics-LAB	STAP01	50	10	40	2	1

B.Sc. (MSCA) SEMESTER - V

S.No	Course	Course Code	Total Marks	IA Test	Sem End Exam	Teaching Hours	Credits
1	Ring Theory & Vector Calculus	MAT T51	100	25	75	5	5
2	Linear Algebra	MAT T52	100	25	75	5	5
3	Design of sample surveys	STA T51	100	25	75	4	3
4	Linear Programming Techniques	STA T52	100	25	75	4	3
5	Software Engineering	CSC T51	100	25	75	4	3
6	Data base Management Systems	CSC T52	100	25	75	4	3
7	Statistics-V	STA P51	50	10	40	2	2
8	Computer Applications -V	CSC P51	50	10	40	2	2
9	Statistics-VI	STA P52	50	10	40	2	2
10	Computer Applications -VI	CSC P52	50	10	40	2	2

B.Sc. (MSCA) SEMESTER - VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Numerical Analysis	MATTEL61	100	25	75	4	5
Elective 1	Operations Research	STA TEL61	100	25	75	4	3
Elective 2	Applied Statistics	STA TELS62	100	25	75	4	3
Elective 1	Web Technologies	CSC TEL62	100	25	75	4	3
Elective 2	Operating System	CSC TCLS63	100	25	75	4	3
Elective 3	Computer Networks	CSC TCLS64	100	25	75	4	3
Cluster Elective 1	Discrete Mathematics	MAT TCL64	100	25	75	5	5
Cluster Elective 2	Graph Theory	MAT TCL65	100	25	75	5	5
Cluster Elective 3	Special functions	MAT TCL66	100	25	75	5	5
Cluster Elective 4	Laplace Transforms	MAT TCLS67	100	25	75	3	5
Cluster Elective 5	Advanced Numerical Analysis	MAT TCLS68	100	25	75	2	5
Cluster Elective 6	Fourier Series and Fourier Transforms	MAT TCLS69	100	25	75	2	5

Cluster Elective 1	Hybrid Operations Research Models	STA TCL61	100	25	75	4	3
Cluster Elective 2	Stochastic Operations Research Models	STA TCL62	100	25	75	4	3
Cluster Elective 3	Time Series	STA TCLS63	100	25	75	4	3
Cluster Elective 4	Design of Experiments	STA TCLS65	100	25	75	4	3
Cluster Elective 1	Foundation of Data Science	CSCTCL61	100	25	75	4	3
Cluster Elective 2	Big Data Technology	CSCTCL62	100	25	75	4	3
Cluster Elective 3	Distributed System	CSC TCLS610	100	25	75	4	3
Cluster Elective 4	Cloud Computing	CSC TCLS65	100	25	75	4	3
Cluster Elective 5	Grid computing	CSC TCLS66	100	25	75	4	3
Cluster Elective 6	Mobile computing	CSC TCLS67	100	25	75	4	3
Cluster Elective 7	Mobile Application Development	CSC TCLS68	100	25	75	4	3
Cluster Elective 8	Satellite communication	CSC TCLS69	100	25	75	4	3

Practical's

Elective 1	Statistical data analysis using SPSS& Operations Research Lab -II	STA PEL61	100	25	75	4	2
Elective 2	Applied Statistics	STA PELS62	100	25	75	4	2
Elective 1	Data Science lab	CSC PEL61	50	10	40	2	2
Elective 2	Web Technologies	CSCPEL62	50	10	40	2	2
Cluster Elective 1	Hybrid Operations Research Models Lab	STA PCL61	50	10	40	2	2
Cluster Elective 2	Stochastic Operations Research Models Lab	STA PCL 62	50	10	40	2	2

Cluster Elective 3	Time Series	STA PCLS63	100	25	75	4	2
Cluster Elective 4	Design of Experiments	STA PCLS65	100	25	75	4	2
	Project	STA PWCL63	50	10	40	2	5
	Project Work	STA PWCLS66	50	10	40	2	5
Cluster Elective 1	Data Science Lab	CSC PCL61	100	25	75	4	3
Cluster Elective 2	Big data Technology Lab	CSC PCL62	100	25	75	4	3
Cluster Elective 3	Cloud Computing	CSC PCLS65	100	25	75	4	3
Cluster Elective 4	Grid computing	CSC PCLS66	100	25	75	4	3
Cluster Elective 5	Mobile computing	CSC PCLS67	100	25	75	4	3
Cluster Elective 6	Mobile Application Development	CSC PCLS68	100	25	75	4	3
	Project	CSC PWCL63	50	10	40	2	5

B.Sc. (FMC) SEMESTER - I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - I	ENG T11B	100	25	75	6	3
2	Hindi - I	HIN T11A	100	25	75	4	3
3	Telugu - I	TEL T11A	100	25	75	4	3
4	Computer Fundamentals and Office Tools	LSCP02	100	25	75	2	2
5	Dairy Microbiology	SDCMICP01	100	25	75	2	2
6	Fundamentals of Food Technology	FST T11B	100	25	75	4	4
7	Introduction to Microbiology & Microbial Diversity	MIC T11B	100	25	75	4	4
8	Inorganic and Physical Chemistry	CHE T11A	100	25	75	4	4
9	Fundamentals of Food Technology Lab	FST P11B	50	10	40	3	1
10	Introduction to Microbiology & Microbial Diversity Lab	MIC P11B	50	10	40	3	1
11	Analysis of Salt Mixture Lab	CHEP11A	50	10	40	3	1

B.Sc. (FMC) SEMESTER - II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - II	ENG T21B	100	25	75	6	3
2	Hindi - II	HIN T21A	100	25	75	4	3
3	Telugu - II	TEL T21A	100	25	75	4	3
4	Environmental Studies	CLSCT01	100	25	75	2	2
5	Fruit and Vegetable Preservation	SDCFSTP01	100	25	75	2	2
6	Food Adulteration	SDCCHEP01	50	10	40	2	2
7	Food and Nutrition	FST T21A	100	25	75	4	4
8	Microbial Physiology and Biochemistry	MIC T21B	100	25	75	4	4
9	Organic and General Chemistry	CHET21A	100	25	75	4	4
10	Food and Nutrition-lab	FST P21A	50	10	40	2	1
11	Microbial Physiology and Biochemistry-lab	MIC P21B	50	10	40	2	1
12	Internet fundamentals of web tools	LSCP07	50	10	40	2	2
13	Volume Analysis lab	CHE P21A	50	10	40	2	1
14	Community service project	CAIP2	100		100		4
15	Bio fertilizers and bio pesticides	AOCT20	50	10	40	2	2

B.Sc. (FMC) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English III	ENG T01A	100	25	75	6	3
2	Organic preparation and IR spectral analysis lab	CHEP31A	50	10	40	2	1
3	Organic qualitative analysis lab	CHE P01	50	10	40	2	1
4	Organic chemistry and spectroscopy	CHET31A	100	25	75	5	4
5	Technology of plant Foods	FST T31A	100	25	75	4	4
6	Medical microbiology and immunology	MIC T31A	100	25	75	4	4
7	Inorganic, organic and physical chemistry	CHE T01	100	25	75	4	4
8	Technology of plant Foods Lab	FST P31A	50	10	40	2	1

9	Medical microbiology and immunology-lab	MIC P31A	50	10	40	3	1
10	Medical Lab and technology lab	SDCBCHP01	50	10	40	3	2

B.Sc. (FMC) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi III	HIN T01	100	25	75	4	3
2	Telugu III	TEL T01A	100	25	75	4	3
3	Conducto metric and potentio metric titrimetry-lab	CHE P41A	50	10	40	2	1
4	Industrial microbiology-LAB	MICP01	50	10	40	2	1
5	Advanced technology of food preservation and quality testing-LAB	FSTP01	50	10	40	2	1
6	Technology of Animal Foods	FST T41A	100	25	75	4	4
7	Molecular biology and microbial genetics	MIC T42	100	25	75	4	4
8	Inorganic & Physical Chemistry	CHE T41A	100	25	75	4	4
9	Technology of Animal Foods Lab	FST P41A	50	10	40	2	1
10	Molecular biology and microbial genetics Lab	MIC P42	50	10	40	2	1
11	Personality enhancement and leadership	LSCT11	50	10	40	3	2
12	Advanced technology of food preservation and quality testing	FSTT01	100	25	75	4	4
13	Industrial microbiology	MICT01	100	25	75	4	4
14	Internship	CAIP4	100		100		4

B.Sc. (FMC) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Food Preservation Technology	FST T51	100	25	75	4	3
2	Food Safety, Food Quality & Sensory Evaluation	FST T52	100	25	75	4	3
3	Environmental & Agricultural Microbiology	MIC T51	100	25	75	4	3
4	Microbial Diagnosis in Health Clinics	MIC T52	100	25	75	4	3
	Microbial Biotechnology	MIC TELS62	100	25	75	4	3
5	Inorganic, Organic & Physical Chemistry I	CHE T51	100	25	75	4	3

6	Inorganic, Organic & Physical Chemistry II	CHE T52	100	25	75	4	3
7	Food Preservation Technology Lab	FST P51	50	10	40	3	2
8	Food Safety, Food Quality & Sensory Evaluation Lab	FST P52	50	10	40	3	2
9	Environmental & Agricultural Microbiology lab	MIC P51	50	10	40	3	2

10	Microbial Diagnosis in Health Clinics lab	MIC P52	50	10	40	3	2
	Microbial Biotechnology	MIC PELS62	50	10	40	3	2
11	Physical & General Chemistry I lab	CHE P51	50	10	40	3	2
12	Physical Chemistry II lab	CHE P52	50	10	40	3	2

B.Sc. (FMC) SEMESTER - VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Family Nutrition	FST TEL61	100	25	75	4	3
Elective 2	Food Service Management	FST TELS62	100	25	75	4	3
Elective 1	Food and Industrial Microbiology	MIC TEL61	100	25	75	4	3
Elective 2	Molecular Virology	MIC TCLS63	100	25	75	4	3
Elective 1	Analytical Methods in chemistry	CHE TEL61	100	25	75	4	3
Elective 2	Environment Chemistry	CHE TCLS68	100	25	75	4	3
Elective 3	Green Chemistry	CHE TCLS69	100	25	75	4	3
Cluster Elective 1	Diet therapy	FST TCL61	100	25	75	4	3
Cluster Elective 2	Nutraceuticals and Functional foods	FST TCLS63	100	25	75	4	3
Cluster elective 1	Microbial Quality control in food and pharmaceutical Industries	MIC TCL61	100	25	75	4	3
Cluster elective 1	Pharmaceutical & Medicinal Chemistry	CHE TCL67	100	25	75	4	3
Cluster Elective 2	Fuel and Battery chemistry	CHETCL66	100	25	75	4	3
Cluster Elective 3	Polymer chemistry	CHETCL65	100	25	75	4	3
Elective 1	Family Nutrition Lab	FST PEL61	50	10	40	3	2
Elective 2	Food service Management lab	FST PELS62	50	10	40	3	2
Elective 1	Food and Industrial Microbiology Lab	MIC PEL61	50	10	40	3	2
Elective 2	Microbial Virology lab	MIC PCLS63	50	10	40	3	2
Elective 1	Analytical Methods in chemistry Lab	CHE PEL61	50	10	40	3	2
Elective 2	Environment Chemistry Lab	CHE PCLS68	50	10	40	3	2

Cluster elective 1	Diet therapy Lab	FST PCL61	50	10	40	3	2
Cluster elective 2	Nutraceutical and functional foods lab	FST PCL63	50	10	40	3	2
Cluster elective 1	Microbial Quality control in food and pharmaceutical Industries Lab	MIC PCL61	50	10	40	3	2
Cluster elective 1	Preparation of organic compounds lab	CHE PCL65	50	10	40	3	2
Cluster elective 2	Volumetric & Potentiometric Titrations project	CHE PCL66	50	10	40	3	2
		CHE PWCL67	50	10	40	3	2

B.Sc. (FMB) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - I	ENG T11B	100	25	75	6	3
2	Hindi - I	HIN T11A	100	25	75	4	3
3	Telugu - I	TEL T11A	100	25	75	4	3
4	Computer Fundamentals and Office Tools	LSCP02	100	25	75	2	2
5	Dairy Microbiology	SDCMICP01	100	25	75	2	2
6	Fundamentals of Food Technology	FST T11B	100	25	75	4	4
7	Introduction to Microbiology & Microbial Diversity	MIC T11B	100	25	75	4	4
8	Biomolecules	BCHT11B	100	25	75	4	4
9	Fundamentals of Food Technology Lab	FST P11B	50	10	40	3	1
10	Introduction to Microbiology & Microbial Diversity Lab	MIC P11B	50	10	40	3	1
11	Qualitative Analysis Lab	BCHP11B	50	10	40	3	1

B.Sc. (FMB) SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis - II	ENG T21B	100	25	75	6	3
2	Hindi - II	HIN T21A	100	25	75	4	3
3	Telugu - II	TEL T21A	100	25	75	4	3
4	Environmental Studies	CLSCT01	100	25	75	2	2
5	Fruit and Vegetable Preservation	SDCFSTP01	50	10	40	2	2
6	Bio fertilizers and bio pesticides	AOCT20	50	10	40	2	2
7	Food and Nutrition	FST T21A	100	25	75	4	4
8	Microbial Physiology and Biochemistry	MIC T21B	100	25	75	4	4
9	Bio Analytical Techniques	BCHT21B	100	25	75	4	4
10	Food and Nutrition-LAB	FST P21A	50	10	40	2	1
11	Microbial Physiology and Biochemistry-LAB	MIC P21B	50	10	40	2	1
12	Bio Analytical Techniques Lab	BCHP21B	50	10	40	2	1
13	Hematology and blood banking	AOCT21	50	10	40	2	2
14	Internet Fundamentals and Web Tools	LSCP07	50	10	40	3	2
15	Community service project	CAIP2	100		100		4

B.Sc. (FMB) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English III	ENG T01A	100	25	75	6	3
2	Industrial microbiology -lab	MICP01	50	10	40	3	1
3	Medical lab technology	SDCBCHP01	50	10	40	3	2
4	Advanced technology of food preservation and quality testing- LAB	FSTP01	50	10	40	3	1
5	Technology of plant Foods	FST T31A	100	25	75	4	4
6	Medical microbiology and immunology	MIC T31A	100	25	75	4	4
7	Enzymology Bioenergetics and intermediary metabolism	BCH T31A	100	25	75	4	4
8	Technology of plant Foods Lab	FST P31	50	10	40	3	1
9	Medical microbiology and immunology Lab	MIC P31A	50	10	40	3	1
10	Quantitative analysis Lab	BCH P31A	50	10	40	3	1
11	Advanced technology of food preservation and quality testing	FSTT01	100	25	75	4	4
12	Industrial microbiology	MICT01	100	25	75	4	4

B.Sc. (FMB) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi III	HIN T01	100	25	75	4	3
2	Telugu III	TEL T01A	100	25	75	4	3
3	Personality enhancement and leadership	LSCT11	50	10	40	3	2
4	Concept of arithmetic	AOCMATT02	50	10	40	3	2

5	Physiology and clinical biochemistry	BCH P42	50	10	40	3	1
6	Technology of Animal Foods	FST T41A	100	25	75	4	4
7	Molecular biology and microbial genetics	MIC T42	100	25	75	4	4
8	Physiology, endocrinology and clinical biochemistry	BCH T42	100	25	75	4	4
9	Technology of Animal Foods	FST P41	50	10	40	3	1
10	Molecular biology and microbial genetics-lab	MIC P42	50	10	40	3	1
11	Immunology genetics and applied biochemistry	BCH T43	100	25	75	4	4
12	Internship	CAIP2	100		100		4
13	Immunology genetics and applied biochemistry-lab	BCH P43	50	10	40	3	1

B.Sc. (FMB) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Food Preservation Technology	FST T51	100	25	75	4	3
2	Food Safety, Food Quality & Sensory Evaluation	FST T52	100	25	75	4	3
3	Environmental & Agricultural Microbiology	MIC T51	100	25	75	4	3
4	Microbial Diagnosis in Health Clinics	MIC T52	100	25	75	4	3
	Microbial Biotechnology	MIC TELS62	100	25	75	4	3
5	Human Physiology & Endocrinology	BCH T51	100	25	75	4	3
6	Biotechnology	BCH T52	100	25	75	4	3
7	Food Preservation Technology Lab	FST P51	50	10	40	3	2
8	Food Safety, Food Quality & Sensory Evaluation Lab	FST P52	50	10	40	3	2
9	Environmental & Agricultural Microbiology lab	MIC P51	50	10	40	3	2
10	Microbial Diagnosis in Health Clinics lab	MIC P52	50	10	40	3	2
	Microbial Biotechnology	MIC PELS62	50	10	40	3	2
11	Human Physiology & Endocrinology lab	BCH P51	50	10	40	3	2
12	Biotechnology Lab	BCH P52	50	10	40	3	2

B.Sc. (FMB) SEMESTER - VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
Elective 1	Family Nutrition	FST TEL61	100	25	75	4	3
Elective 2	Food Service Management	FST TELS62	100	25	75	4	3
Elective 1	Food and Industrial Microbiology	MIC TEL61	100	25	75	4	3
Elective 2	Molecular Virology	MIC TCLS63	100	25	75	4	3
Elective 1	Cell Biology & Genetics	BCH TEL61	100	25	75	4	3
Elective 2	Molecular Biology	BCH TELS52	100	25	75	4	3
Cluster Elective 1	Diet therapy	FST TCL61	100	25	75	4	3
Cluster Elective 2	Nutraceuticals and Functional foods	FST TCLS63	100	25	75	4	3
Cluster Elective 1	Microbial Quality control in food and pharmaceutical Industries	MIC TCL61	100	25	75	4	3
Cluster Elective 1	Clinical Biochemistry	BCH TCL61	100	25	75	4	3
Cluster elective 2	Biochemical correlation in disease	BCH TCLS62	100	25	75	4	3
Elective 1	Practical's Family Nutrition Lab	FST PEL61	50	10	40	3	2
Elective 2	Food Service Management	FST PCLS62	50	10	40	3	2
Elective 1	Food and Industrial Microbiology Lab	MIC PEL61	50	10	40	3	2
Elective 2	Molecular Virology	MIC PCLS63	50	10	40	3	2
Elective 1	Cell Biology & Genetics Lab	BCH PEL61	50	10	40	3	2
Elective 2	Molecular Biology	BCH PELS52	50	10	40	3	2
Cluster Elective 1	Diet therapy Lab	FST PCL61	50	10	40	3	2
Cluster Elective 2	Nutraceuticals and Functional foods	FST TCLS63	50	10	40	3	2
Cluster Elective 1	Microbial Quality control in food and pharmaceutical Industries Lab	MIC PCL61	50	10	40	3	2
Cluster Elective 1	Clinical Biochemistry Lab	BCH PCL61	50	10	40	3	2
2Cluster Elective 2	Biochemical correlation in disease	BCH PCLS62	50	10	40	3	2

B.Sc. (MCCS) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu - I	TELT11A	100	25	75	4	3
4	Differential Equations	MATT11A	100	25	75	5	5
5	Inorganic and Physical Chemistry	CHET11A	100	25	75	4	4
6	Problem Solving in C	CSCT11B	100	25	75	4	4
7	Analysis of Salt Mixture Lab	CHEP11A	50	10	40	2	1
8	Problem Solving in C Lab	CSCP11B	50	10	40	2	1
9	Environmental Studies	CLSCT01	50	10	40	2	2
10	Journalistic reporting	SDCENGT01	50	10	40	2	2
11	Elementary Number Theory	SDCMATT01	50	10	40	2	2

B.Sc. (MCCS) SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Real Analysis	MAT T29	100	25	75	6	5
5	Organic and General Chemistry	CHET21A	100	25	75	5	4
6	Data Structures	CSCT21B	100	25	75	5	4
7	Volumetric Analysis Lab	CHEP21A	50	10	40	2	1
8	Data Structures Lab	CSCP21B	50	10	40	2	1
9	Human Values and Professional Ethics	LSCT06	50	10	40	2	2
10	Food adulteration	SDCCHEP01	50	10	40	2	2
11	Community service project	CAIP2	100		100		4

B.Sc. (MCCS) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Telugu-III	TELT01A	100	25	75	4	3
2	Hindi-III	HINT01	100	25	75	4	3
3	Database management systems-lab	CSCO33A	50	10	40	2	1

4	Organic chemistry and spectroscopy	CHET31A	100	25	75	5	4
5	Database management systems	CSCT34B	100	25	75	5	4
6	Abstract Algebra	MATT31	100	25	75	6	5
7	Inorganic , organic and physical Chemistry	CHET01	100	25	75	5	4
8	OOP'S Using Java	CSCT01	100	25	75	5	4
9	Organic preparation and IR spectral analysis lab	CHEP31A	50	10	40	2	1
10	OOP'S Using Java-lab	CSCP01	50	10	40	2	1
11	Organic qualitative analysis –lab	CHEP01	50	10	40	2	1
12	Aquarium fish keeping and maintenance	SDCZOO01	50	10	40	2	2

B.Sc. (MCCS) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English III	ENGT01A	100	25	75	4	3
2	Business communication	SDCENGT03	50	10	40	2	2
3	Personality enhancement and leadership	LSCT11	50	10	40	2	2
4	Internship	CAIP4	100		100		4
5	Linear algebra	MATT41A	100	25	75	6	5
6	Inorganic and Physical Chemistry	CHET41A	100	25	75	5	4
7	Three dimensional analytical solid geometry	MATT02	100	25	75	6	5
8	Operating systems	CSCT41C	100	25	75	5	4
9	Conducto metric and potentio metric titrimetric lab	CHEP41A	50	10	40	2	1
10	Operating systems-LAB	CSCP41C	50	10	40	2	1

B.Sc. (MCCS) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Ring Theory and Vector Calculus	MAT T51	100	25	75	5	5
2	Linear Algebra	MAT T52	100	25	75	5	5

3	Inorganic, organic Physical Chemistry - I	CHE T51	100	25	75	3	3
4	Inorganic, organic Physical Chemistry - II	CHE T52	100	25	75	3	3
5	Software Engineering	CSE T51	100	25	75	4	3
6	Data Base Management System	CSE T52	100	25	75	4	3
7	Physical & General	CHE P51	50	10	40	3	2

	Chemistry-V (Practical's)						
8	Physical Chemistry-VI (Practical's)	CHE P52	50	10	40	3	2
9	Computer Science-V (Practical's)	CSE P51	50	10	40	3	2
10	Computer Science-VI (Practical's)	CSE P52	50	10	40	3	2

B.Sc. (MCCS) SEMESTER – VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Numerical Analysis	MAT TEL 61	100	25	75	5	5
Elective 1	Analytical Methods in Chemistry	CHETEL61	100	25	75	4	3
Elective 2	Environmental Chemistry	CHE TCLS68	100	25	75	4	3
Elective 3	Green Chemistry	CHE TCLS69	100	25	75	4	3
Elective 1	Web Technologies	CSCTEL62	100	25	75	4	3
Elective 2	Operating System	CSC TCLS63	100	25	75	4	3
Elective 3	Computer Networks	CSC TCLS64	100	25	75	4	3
Cluster Elective 1	Discrete Mathematics	MATTCL64	100	25	75	3	5
Cluster Elective 2	Graph Theory	MATTCL65	100	25	75	2	5
Cluster Elective 3	Special Functions	MATTCL66	100	25	75	2	5
Cluster Elective 4	Laplace Transforms	MAT TCLS67	100	25	75	3	5
Cluster Elective 5	Advanced Numerical Analysis	MAT TCLS68	100	25	75	2	5
Cluster Elective 6	Fourier Series and Fourier Transforms	MAT TCLS69	100	25	75	2	5
Cluster Elective 1	Polymer Chemistry	CHETCL65	100	25	75	3	3
Cluster Elective 2	Fuel Chemistry And Batteries	CHETCL66	100	25	75	3	3

Cluster Elective 3	Pharmaceutical and Medical Chemistry	CHETCL67	100	25	75	3	3
Cluster Elective 4	Instrumental Methods of Analysis	CHE TCLS610	100	25	75	3	3
Cluster Elective 5	Analysis of Drugs, Foods, Dairy Products and Biochemical Analysis	CHE TCLS611	100	25	75	3	3
Cluster Elective 6	Inorganic materials of Industrial Importance	CHE TCLS612	100	25	75	3	3
Cluster Elective 7	Analysis applied Industrial Products	CHE TCLS613	100	25	75	3	3
Cluster Elective 8	Organic Spectroscopic Techniques	CHE TCLS614	100	25	75	3	3
Cluster Elective 9	Advanced Organic Compounds	CHE TCLS615	100	25	75	3	3
Cluster Elective 1	Foundation of Data Science	CSCTCL61	100	25	75	4	3
Cluster Elective 2	Big Data Technology	CSCTCL62	100	25	75	4	3
Cluster Elective 3	Distributed System	CSC TCLS610	100	25	75	4	3
Cluster Elective 4	Cloud Computing	CSC TCLS65	100	25	75	4	3
Cluster Elective 5	Grid computing	CSC TCLS66	100	25	75	4	3
Cluster Elective 6	Mobile computing	CSC TCLS67	100	25	75	4	3
Cluster Elective 7	Mobile Application Development	CSC TCLS68	100	25	75	4	3
Cluster Elective 8	Satellite communication	CSC TCLS69	100	25	75	4	3

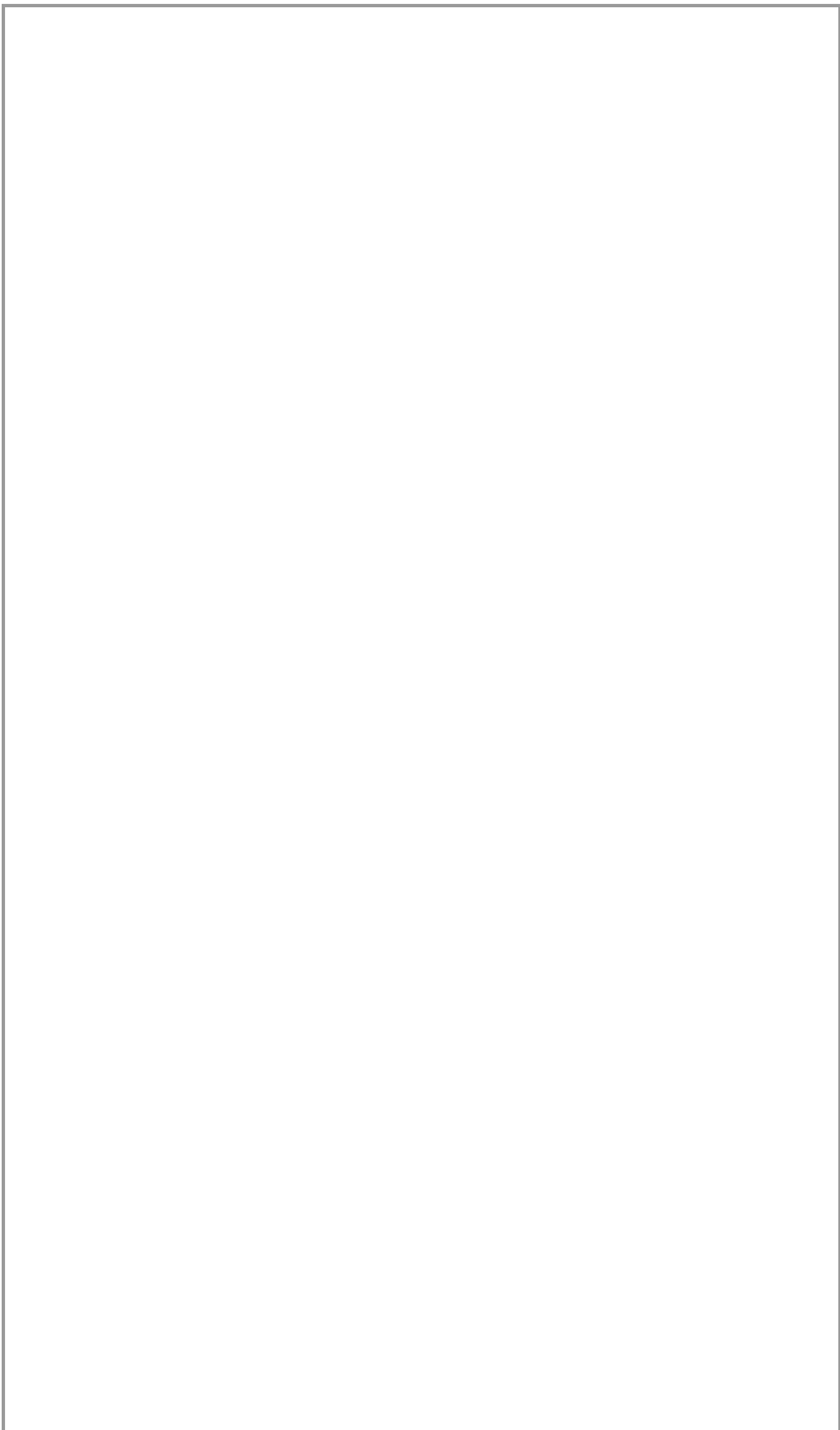
Practical's

Elective 1	Analytical Methods In Chemistry Lab	CHEPEL61	50	10	40	3	2
Elective 2	Environmental Chemistry	CHE PCLS68	50	10	40	3	2
Elective 3	Green Chemistry	CHE PCLS69	50	10	40	3	2
Elective	Web	CSCPEL62	50	10	40	2	2

1	Technologies lab						
Elective 2	Operating System lab	CSC PCLS63	50	10	40	2	2
Elective 3	Computer Networks lab	CSC PCLS64	50	10	40	2	2
Cluster Elective 1	Preparations Of Organic Compounds	CHEPCL65	50	10	40	3	2
Cluster Elective 2	Electrochemistry And Volumetric Analysis	CHEPCL66	50	10	40	3	2
	Chemistry-Project Work	CHEPWCL67	50	10	40	3	2
Cluster Elective 1	Data Science	CSC PCL61	50	10	40	4	2
Cluster Elective 2	Big data Lab	CSC PCL62	50	10	40	2	2
Cluster Elective 3	Cloud Computing	CSC PCLS65	50	10	40	2	2
Cluster Elective 4	Grid computing	CSC PCLS66	50	10	40	2	2
Cluster Elective 5	Mobile computing	CSC PCLS67	50	10	40	2	2
Cluster Elective 6	Mobile Application Development	CSC PCLS68	50	10	40	4	3
	Project	CSC PWCL63	50	10	40	2	5

B.Sc. Honors SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu – I	TELT11A	100	25	75	4	3
4	Digital Electronics	ELET12	100	25	75	5	4
5	Programming Fundamentals	CSHT11	100	25	75	5	4
6	Digital Electronics Lab	ELEP12	50	10	40	2	1
7	Programming Fundamentals Lab	CSHP11	50	10	40	2	1
8	IT Workshop Lab	CSHP12	50	10	40	2	1
9	Environmental Studies	CLSCT01	50	10	40	2	2
10	Human Values and Professional Ethics	LSCT06	50	10	40	2	2
11	Journalistic reporting	SDCENGT 01	50	10	40	2	2
12	Sequence, series, and limits & continuity	MATT13	100	25	75	5	5



B.Sc. Honors SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis -II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Differentiation, Riemann Integration, Vector Differentiation and Integration	MATT25	100	25	75	5	5
5	Micro Controllers	ELET22	100	25	75	5	4
6	Data Structures	CSHT21	100	25	75	5	4
7	Web Designing	CSHT23	100	25	75	5	4
8	Micro Controllers Lab	ELEP22	50	10	40	2	1
9	Data Structures Lab	CSHP21	50	10	40	2	1
10	Web Designing Lab	CSHP23	50	10	40	2	1
11	Elementary Number Theory	SDCMATT01	50	10	40	2	2
12	Web Development with Python (DJANGO)	SDCCSCP03	50	10	40	2	2
13	Community service project	CAIP2	100		100		4

B.Sc. (Honors) SEMESTER - III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Random variables and theory of probability	STAT02	100	25	75	4	4
2	Random variables and theory of probability-lab	STAP02	50	10	40	2	1
3	Discrete Mathematics I	MATT33	100	25	75	6	5
4	Statistical Methods & Theory of Probability	STAT33A	100	25	75	4	4
5	Object Oriented Programming Using JAVA	CSHT31	100	25	75	4	4
6	Data Base Management Systems	CSHT32	100	25	75	4	4
7	Statistical Methods & Theory of Probability-lab	STAP33A	50	10	40	2	1
8	Object Oriented Programming Using JAVA Lab	CSHP31	50	10	40	2	1

9	Database Management Systems Lab	CSHP32	50	10	40	2	1
10	Hindi III	HINT01	100	25	75	4	3
11	Telugu III	TELT01	100	25	75	4	3
12	Elementary number theory	SDCMA TT01	50	10	40	2	2

B.Sc. (Honors) SEMESTER - IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English Praxis III	ENGT01A	100	25	75	4	3
2	Business communication	SDCENG T03	50	10	40	2	2
3	Personality enhancement and leadership	LSCT11	50	10	40	2	2
4	python	CSHT41A	100	25	75	4	4
5	Advanced Java	CSHT42	100	25	75	4	4
6	Statistical inference	STAT46	100	25	75	4	4
7	Discrete Mathematics II	MAT T43	100	25	75	6	5
8	Statistical inference-lab	STAP46	50	10	40	2	1
9	Advanced Java Lab	CSHP42	50	10	40	2	1
10	python Lab	CSHP41A	50	10	40	2	1
11	Concept of arithmetic	AOC MAT T02	50	10	40	2	2
12	Operating systems	CSHT 43	100	25	75	4	4
13	Operating systems-lab	CSHP 43	50	10	40	2	1
14	Internship	CAIP 4	100		100		4

B.Sc. (Honors) SEMESTER - V

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Skill Enhancement Course: Mobile Application Development(Theory + Lab Component)	SEC006	50	10	40	3	2
2	Web Designing	CSHT5 2	100	25	75	4	4
3	Operating Systems	CSHT5 1	100	25	75	4	4
4	Software Engineering	CSHT5 3	100	25	75	4	4
5	Statistical Inference	STAT53	100	25	75	4	4
6	Web Designing Lab	CSHP52	50	10	40	3	2
7	Operating Systems Lab	CSHP51	50	10	40	3	2
8	Statistical Inference Lab	Stat p53	50	10	40	2	2

Table-6: B.Sc. (Honors) SEMESTER - VI

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Foundation of Data Science R - Language	CSH T62	100	25	75	4	4
2	Software Testing	CSH T61	100	25	75	4	4
3	Information Security	CSHT64	100	25	75	4	4
4	Big data Technology	CSH T63	100	25	75	4	4
8	Software Testing Lab	CSH P61	50	10	40	3	2
9	Statistical Data analysis using SPSS & Operations Research Lab	STA P61	50	10	40	3	2
10	Operations Research	STA T61	100	25	75	4	4
11	Project Work	CSHPW64	100	25	75	3	5
12	Foundation of Data Science R - Language Lab	CSHP62	50	10	40	3	2
13	Big data Lab	CSH P63	50	10	40	3	2
Elective 1	Cyber Crimes and Cyber Security	CSH TELS65	100	25	75	4	4
Elective 2	Cloud Computing	CSH TELS66	100	25	75	4	4
Elective 3	Artificial Intelligence	CSH TELS67	100	25	75	4	4

B.Sc. (MSDS) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-I	ENGT11A	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Numerical analysis and special functions	MATT16	100	25	75	5	5
5	Descriptive statistics and theory probability	STAT11B	100	25	75	4	4
6	Introduction to python programming	DSCT11A	100	25	75	4	4
7	Descriptive statistics lab	STAP11B	50	10	40	2	1
8	Introduction to python programming Lab	DSCP11A	50	10	40	2	1
9	Environmental studies	CLSCT01	50	10	40	2	2
10	Human values and professional ethics	LSCT06	50	10	40	2	2
11	Journalistic reporting	SDCENGT01	50	10	40	2	2

B.Sc. (MSDS) SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Mathematics for data science	MATT28	100	25	75	6	5
5	Probability distributions and statistical methods	STAT21C	100	25	75	4	4
6	Data structures using python	DSCT21A	100	25	75	4	4
7	Probability distributions and statistical methods lab	STAP21C	50	10	40	2	1
8	Data structures using python lab	DSCP21A	50	10	40	2	1
9	Community service project	CAIP2	100		100		4
10	Web development using python(DJANGO)	SDCCSCP03	50	10	40	2	2
11	Elementary number theory	SDCMATT01	50	10	40	2	2

B.Sc. (MSDS) SEMESTER – III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3
3	Abstract algebra	MATT31	100	25	75	6	5
4	Statistical inference	STAT37	100	25	75	4	4
5	Elements of R programming	DSCT31A	100	25	75	4	4
6	Statistical inference lab	STAP37	50	10	40	2	1
7	Elements of R programming lab	DSCP31A	50	10	40	2	1
8	Analytical skills	LSCT03	50	10	40	2	2
9	Applied statistics	STAT01	100	25	75	4	4
10	Business communication	SDCENGT03	50	10	40	2	2
11	Applied statistics-lab	STAP01	50	10	40	2	1

B.Sc. (MSDS) SEMESTER – IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-III	ENGT01A	100	25	75	4	3
2	Differential equations	MATT44A	100	25	75	5	5
3	Sampling techniques and design experiments	STAT41B	100	25	75	4	4
4	Database management systems	DSCT42	100	25	75	4	4
5	Linear algebra and matrices	MATT03	100	25	75	5	5
6	Database management systems-Lab	DSCP42	50	10	40	2	1
7	Internship	CAIP4	100		100		4
8	Introduction to java programming	DSCT01	100	25	75	4	4
9	Sampling techniques and design experiments-lab	STAP41B	50	10	40	2	1
10	Introduction to java programming-lab	DSCP01	50	10	40	2	1

B.Sc. (AZC) SEMESTER – I

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-I	ENGT11B	100	25	75	4	3
2	Hindi-I	HINT11A	100	25	75	4	3
3	Telugu-I	TELT11A	100	25	75	4	3
4	Basic principles of aquaculture	AQTT11A	100	25	75	4	4
5	Animal diversity- Non chordates & chordates	ZOOT12A	100	25	75	4	4
6	Inorganic and Physical chemistry	CHET11A	100	25	75	4	4
7	Basic principles of aquaculture lab	AQTP11A	50	10	40	2	1
8	Animal diversity- Non chordates & chordates lab	ZOOP12A	50	10	40	2	1
9	analysis of salt mixture lab	CHEP11A	50	10	40	2	1
10	Computer fundamentals and office tools	LSCP02	50	10	40	2	2
11	Journalistic reporting	SDCENGT 01	50	10	40	2	2

B.Sc. (AZC) SEMESTER – II

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-II	ENGT21B	100	25	75	4	3
2	Hindi-II	HINT21A	100	25	75	4	3
3	Telugu-II	TELT21A	100	25	75	4	3
4	Biology of fin fish and shell fish	AQTT21	100	25	75	4	4
5	Cell biology cellular metabolism genetics molecular biology	ZOOT22A	100	25	75	4	4
6	organic and general chemistry	CHET21A	100	25	75	4	4
7	Biology of fin fish and shell fish lab	AQTP21	50	10	40	2	1
8	Cell biology cellular metabolism genetics molecular biology lab	ZOOP22A	50	10	40	2	1
9	Volume analysis lab-II	CHEP21A	50	10	40	2	
10	Environmental studies	CLSCT01	50	10	40	2	2
11	Community service project	CAIP2	100		100		4

12	Internet fundamentals and web tools	LSCP07	50	10	40	2	2
13	Food adulteration	SDCCHEP01	50	10	40	2	2

B.Sc. (AZC) SEMESTER – III

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	English-III	ENGT01 A	100	25	75	4	3
2	Fresh water brackish water aquaculture	AQTT31 A	100	25	75	4	4
3	Embryology and Animal physiology	ZOOT32 A	100	25	75	4	4
4	Organic preparation and IR spectral analysis lab	CHEP31 A	50	10	40	2	1
5	Fresh water brackish water aquaculture lab	AQTP31 A	50	10	40	2	1
6	Embryology and Animal physiology lab	ZOOP32 A	50	10	40	2	1
7	Health and hygiene	LSCT12	50	10	40	2	2
8	Aquarium keeping and fish maintenance	SDCZO OP01	50	10	40	2	2
9	Aquatic ecology, organic evolution and animal behavior-lab	ZOOP01	50	10	40	2	1
10	Aquatic ecology, organic evolution and animal behavior	ZOOT01	100	25	75	4	4
11	Fish nutrition and feed technology	AQTT01	100	25	75	4	4
12	Organic chemistry and spectroscopy	CHET31 A	100	25	75	4	4
13	Fish nutrition and feed technology-lab	AQTP01	50	10	40	2	1
14	Vermin compost technology	SDCZO OP02	50	10	40	2	2

B.Sc. (AZC) SEMESTER – IV

Sno	Course	Course Code	Total Marks	IA TEST	Sem End Exam	Teaching Hours	Credits
1	Hindi-III	HINT01	100	25	75	4	3
2	Telugu-III	TELT01A	100	25	75	4	3
3	Fish health management, fisheries economics, extension and marketing	AQTT42	100	25	75	5	4
4	Immunology and Animal biotechnology	ZOOT02	100	25	75	5	4
5	Inorganic and physical chemistry	CHET41A	100	25	75	5	4
6	Fish health management, fisheries economics, extension and marketing-lab	AQTP41	50	10	40	2	1
7	Immunology and Animal biotechnology lab	ZOOP02	50	10	40	2	1
8	Conducto metric and potentio metric titrimetry-lab	CHEP41A	50	10	40	2	1
9	Organic qualitative analysis-lab	CHEP01	50	10	40	2	1
10	Internship	CAIP4	100		100		4
11	Value added products of fish and prawn	AOCZOOP01	50	10	40	2	2
12	Inorganic, organic and physical chemistry	CHET01	100	25	75	5	4