

The following shall be the courses of the studies under CBCS pattern

M.Sc – I (Physics) C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)

Sr. No	Course Title	Teaching Scheme						Examination scheme											
		Theory			Practical			Theory			Internal			Total		Practical (CPPR)			
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours	
1	CP-1100A	4	4	4	16	16	8	80	32	3	20	8	1	100	40	200	80	16	
2	CP-1101A	4	4	4				80	32	3	20	8	1	100	40				
3	CP-1102A	4	4	4				80	32	3	20	8	1	100	40				
4	CP-1103A	4	4	4				80	32	3	20	8	1	100	40				
Total		16	16	16	16	16	8	320			80	-		400	-	200		16	
Semester-II(duration 6 months)																			
6	CP-1106B	4	4	4	16	16	8	80	32	3	20	8	1	100	40	200	80	16	
7	CP-1107B	4	4	4				80	32	3	20	8	1	100	40				
8	CP-1108B	4	4	4				80	32	3	20	8	1	100	40				
9	CP-1109B	4	4	4				80	32	3	20	8	1	100	40				
Total		16	16	16	16	16	8	320			80	-		400	-	200		16	
Grand Total		32	32	32	32	16	16	640			160			800		400			

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| • Student contact hours per week : 32 Hours (Min.) | • Total Marks for M.Sc.-I : 1200 |
| • Theory Lectures : 60 Minutes Each | • Total Credits for M.Sc.-I (Semester I & II) : 48 |
| • CP-Core Paper ; CPPR -Core Paper Practical ;Course list as per enclosed Annexure. | |
| • Practical Examination is Semester wise. Separate passing is mandatory for Theory, Internal and Practical. | |

Annexure

M.Sc. (Physics) (Part-I)
CORE PAPER (COMPULSORY)

M.Sc. (Physics) Part -I Semester-I (Total Credits = 24)		
Paper Code	Paper Title	Credits
CP-1100A	Mathematical methods of Physics	4
CP-1101A	Classical Mechanics	4
CP-1102A	Quantum Mechanics I	4
CP-1103A	Condensed Matter Physics	4
CPPR-1104A(Practical Lab-I)	Laboratory/ Practical Course-I	4
CPPR-1105A (Practical Lab-II)	Seminar +Tutorials on practical Course-I	4
M.Sc. (Physics) Part -I Semester-II (Total Credits = 24)		
Paper Code	Paper Title	Credits
CP-1106B	Quantum Mechanics-II	4
CP-1107B	Statistical Mechanics	4
CP-1108AB	Electrodynamics	4
CP-1109B	Atomic & Molecular Physics	4
CPPR-1110B(Practical Lab-III)	Laboratory/ Practical Course-II	4
CPPR-1111B(Practical Lab-IV)	Seminar +Tutorials on practical Course-II	4

The following shall be the courses of the studies under CBCS pattern
M.Sc – I (Organic Chemistry) C B C S PATTERN (2018-19)

SEMESTER – I (Duration – 6 Months)																			
Sr. No	Course Title	Teaching Scheme						Examination scheme											
		Theory			Practical			Theory						Internal			Total		Practical (CPPR)
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours	
1	CP-1131A	4	4	4	16	16	8	80	32	3	20	8	1	100	40	100	40	16	
2	CP-1132A	4	4	4				80	32	3	20	8	1	100	40				
3	CP-1133A	4	4	4				80	32	3	20	8	1	100	40				
4	CP-1134A	4	4	4				80	32	3	20	8	1	100	40				
Total		16	16	16	16	16	8	320			80	-		400	-	200	80	16	
Semester-II(duration 6 months)																			
6	CP-1137B	4	4	4	16	16	8	80	32	3	20	8	1	100	40	100	40	16	
7	CP-1138B	4	4	4				80	32	3	20	8	1	100	40				
8	CP-1139B	4	4	4				80	32	3	20	8	1	100	40				
9	CP-1140B	4	4	4				80	32	3	20	8	1	100	40				
		16	16	16	16	16	8	320			80	-		400	-	200	80	16	
Total		32	32	32	16	16	16	640			160			800		400			

<ul style="list-style-type: none"> • Student contact hours per week : 32 Hours (Min.) 	<ul style="list-style-type: none"> • Total Marks for M.Sc.-I : 1200
<ul style="list-style-type: none"> • Theory Lectures : 60 Minutes Each 	<ul style="list-style-type: none"> • Total Credits for M.Sc.-I (Semester I & II) : 48
<ul style="list-style-type: none"> • CP-Core Paper • CPPR-Core Paper Practical • Course list as per enclosed Annexure. 	
<ul style="list-style-type: none"> • Practical Examination is Semester wise. 	
<ul style="list-style-type: none"> • <i>Separate passing is mandatory for Theory, Internal and Practical.</i> 	

M.Sc. (Chemistry) (Part-I)
CORE PAPER (COMPULSORY)

M.Sc. (Chemistry) Part -I Semester-I (Total Credits = 24)		
Paper Code	Paper Title	Credits
CP-1131A	Inorganic Chemistry-I	4
CP-1132A	Organic Chemistry-I	4
CP-1133A	Physical Chemistry-I	4
CP-1134A	Analytical Chemistry-I	4
CPPR-1135A (Practical)	Inorganic + Organic	4
CPPR-1136A (Practical)	Physical + Analytical	4
M.Sc. (Chemistry) Part -I Semester II (Total Credits = 24)		
Paper Code	Paper Title	Credits
CP-1137B	Inorganic Chemistry-II	4
CP-1138B	Organic Chemistry-II	4
CP-1139B	Physical Chemistry-II	4
CP-1140B	Analytical Chemistry-II	4
CPPR-1141B (Practical)	Inorganic + Organic	4
CPPR-1142B (Practical)	Physical + Analytical	4

The following shall be the courses of the studies under CBCS pattern

M. Sc. – I Mathematics C B C S PATTERN (2018-19)

S E M E S T E R – I (Duration – 6 Months)

Sr. No	Course Title	Teaching Scheme						Examination scheme										
		Theory			Practical			Theory			Internal			Total		Practical		
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours
1	CP-1170A	5	5	5	-	-	-	90	36	3	30	12	1	120	48	NO PRACTICAL EXAMINATION		
2	CP-1171A	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
3	CP-1172A	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
4	CP-1173A	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
5	CP-1174A	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
	Total	25	25	25	-	-	-	450	-	-	150	-	-	600	-			
Semester-II(duration 6 months)																		
6	CP-1175B	5	5	5	-	-	-	90	36	3	30	12	1	120	48	NO PRACTICAL EXAMINATION		
7	CP-1176B	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
8	CP-1177B	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
9	CP-1178B	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
10	CP-1179B	5	5	5	-	-	-	90	36	3	30	12	1	120	48			
				25	-	-	-	450	-	-	150	-	-	600	-			
	Total	5	5	50	-	-	-	900			300			1200	48			

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| • Student contact hours per week : 25 Hours (Min.) | • Total Marks for M.Sc.-I : 1200 |
| • Theory Lectures : 60 Minutes Each | • Total Credits for M.Sc.-I (Semester I & II) : 50 |
| • CP-Core Paper | |
| • Course list as per enclosed Annexure. <i>Separate passing is mandatory for Theory, Internal.</i> | |
| • No Practical Examination | |

Annexure

M.Sc. (Mathematics) (Part-I)
CORE PAPER (COMPULSORY)

M.Sc. (Mathematics) Part -I Semester-I (Total Credits = 25)		
Paper Code	Paper Title	Credits
CP-1170A	Algebra	5
CP-1171A	Advanced Calculus	5
CP-1172A	Complex Analysis	5
CP-1173A	Ordinary Differential Equations	5
CP-1174A	Classical Mechanics	5
M.Sc. (Mathematics) Part -I Semester-II (Total Credits = 25)		
Paper Code	Paper Title	Credits
CP-1175B	Linear Algebra	5
CP-1176B	Measure and Integration	5
CP-1177B	General Topology	5
CP-1178B	Partial Differential Equations	5
CP-1179B	Numerical Analysis	5

The following shall be the courses of the studies under CBCS pattern
M.Com – I C B C S PATTERN (2018-19)(Commerce and Management)

S E M E S T E R – I (Duration – 6 Months)																			
Sr. No	Course Title	Teaching Scheme						Examination scheme											
		Theory			Practical			Theory						Internal			Total		Practical
		No. of lectures	Hours	Credits	No. of Lectures	Hours	Credits	Max.	Min.	Hours	Max.	Min.	Hours	Max.	Min.	Max.	Min.	Hours	
1	CP-1201-A	4	4	4	-	-	-	80	32	3	20	8	1	100	40	NO PRACTICAL EXAMINATION			
2	CP-1202-A	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
3	CBP-1203-A	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
4	CBP-1206-A	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
	Total	16	16	16				320	-	-	80	-	-	400	-				
Semester-II(duration 6 months)																			
5	CP-1209-B	4	4	4	-	-	-	80	32	3	20	8	1	100	40	NO PRACTICAL EXAMINATION			
6	CP-1210-B	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
7	CBP-1211-B	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
8	CBP-1214-B	4	4	4	-	-	-	80	32	3	20	8	1	100	40				
	Total	16	16	16				320	-	-	80	-	-	400	-				
	Total	32	32	32				640			160			800					

<ul style="list-style-type: none"> • Student contact hours per week : 16 Hours (Min.) 	<ul style="list-style-type: none"> • Total Marks for M.Com.-I : 800
<ul style="list-style-type: none"> • Theory Lectures : 60 Minutes Each 	<ul style="list-style-type: none"> • Total Credits for M.Com.-I (Semester I & II) : 32
<ul style="list-style-type: none"> • CP-Core Paper • Course list as per enclosed Annexure. 	
<ul style="list-style-type: none"> • No Practical Examination 	
<ul style="list-style-type: none"> • <i>Separate passing is mandatory for Theory, Internal.</i> 	

M.Com (Commerce and Management) (Part-I)
CORE PAPER (COMPULSORY)

<u>M.Com</u> (Commerce and Management) Part -I Semester-II (Total Credits = 16)		
Paper Code	Paper Title	Credits
CP-1201A	Management Concept & Organisation Behaviour-I	4
CP-1202A	Managerial Economics-I	4
CHOICE BASE PAPER (ANY ONE PAPER)		
CBP-1203A	Advanced Accountancy-I	4
CBP-1204A	Advanced Costing-I	4
CBP-1205A	Business Administration(Introduction to Business Administration) -I	4
CHOICE BASE PAPER (ANY ONE PAPER)		
CBP-1206A	Advanced Accountancy (Auditing)-II	4
CBP-1207A	Advanced Costing-II	4
CBP-1208A	Business Administration(Functional areas of Management: HR & Production)--II	4
M.COM Part -I Semester-II (Total Credits = 16)		
Paper Code	Paper Title	Credits
CP-1209B	Management Concept & Organisation Behaviour-II	4
CP-1210B	Managerial Economics-II	4
CHOICE BASE PAPER (ANY ONE PAPER)		

CBP-1211B	Advanced Accountancy-III	4
CBP-1212B	Advanced Costing-III	4
CBP-1213B	Business Administration(Introduction to Business Administration) -III	4
CHOICE BASE PAPER (ANY ONE PAPER)		
CBP-1214B	Advanced Accountancy-IV	4
CBP-1215B	Advanced Costing-IV	4
CBP-1216B	Business Administration(Functional areas of Management: HR & Production)---IV	4