



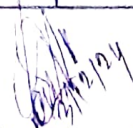
2.5.1.: University Syllabus

M. PHARM SYLLABUS

PHARMACEUTICS

Course Code	Course	Credit Hours	Credit Points	Hrs/w k	Marks
SEMESTER I					
MPT1061	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPT1062	Drug Delivery System	4	4	4	100
MPT 1063	Modern Pharmaceutics	4	4	4	100
MPT 1064	Regulatory Affair	4	4	4	100
MPT 1965	Pharmaceutics Practical I	12	6	12	200
MPT 1986	Seminar/Assignment	7	4	7	100
Total		35	26	35	700
SEMESTER II					
MPT 2061	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	4	4	100
MPT2062	Advanced Biopharmaceutics & Pharmacokinetics	4	4	4	100
MPT 2063	Computer Aided Drug Delivery System	4	4	4	100
MPT 2064	Cosmetic and Cosmeceuticals	4	4	4	100
MPT 2065	Pharmaceutics Practical II	12	6	12	200
MPT 2986	Seminar/Assignment	7	4	7	100
Total		35	26	35	700



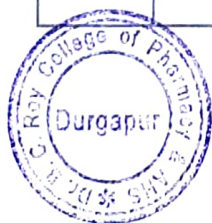

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PHARMACOLOGY

Course Code	Course	Credit Hours	Credit Points	His/wk	Marks
Semester I					
MPT 1081	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPT 1082	Advanced Pharmacology-I	4	4	4	100
MPT 1083	Pharmacological and Toxicological Screening Methods-I	4	4	4	100
MPT 1084	Cellular and Molecular Pharmacology	4	4	4	100
MPT 1985	Pharmacology Practical I	12	6	12	200
MPT 1986	Seminar/Assignment	7	4	7	100
Total		35	26	35	700
Semester II					
MPT 2081	Advanced Pharmacology II	4	4	4	100
MPT 1082	Pharmacological and Toxicological Screening Methods-II	4	4	4	100
MPT 2083	Principles of Drug Discovery	4	4	4	100
MPT 2084	Clinical Research and Pharmacovigilance	4	4	4	100
MPT 2985	Pharmacology Practical II	12	6	12	200
MPT 2986	Seminar/Assignment	7	4	7	100
Total		35	26	35	700



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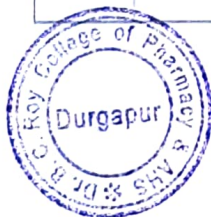


M. PHARM SYLLABUS

PHARMACEUTICAL ANALYSIS

Course of study for M. Pharm. (Pharmaceutical Analysis)

Course Code	Course	Credit Hours	Credit Points	Hrs./wk	Marks
Semester I					
MPT1011	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MPT1012	Advanced Pharmaceutical Analysis	4	4	4	100
MPT1013	Pharmaceutical Validation	4	4	4	100
MPT1014	Food Analysis	4	4	4	100
MPT1915	Pharmaceutical Analysis Practical - I	12	6	12	200
MPT1916	Seminar/Assignment	7	4	7	100
Total		35	26	35	700
Semester II					
MPT2011	Advanced Instrumental Analysis	4	4	4	100
MPT2012	Modern Bio-Analytical Techniques	4	4	4	100
MPT2013	Quality Control and Quality Assurance	4	4	4	100
MPT2014	Herbal and Cosmetic Analysis	4	4	4	100
MPT2915	Pharmaceutical Analysis Practical - II	12	6	12	200
MPT2916	Seminar/Assignment	7	4	7	100
Total		35	26	35	700



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MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
Syllabus of M. PHARM Industrial Pharmacy
Effective from academic session 21-22

Curriculum structure

Course Code	Course	Credit Hours	Credit Points	Hrs./w k	Marks
SEMESTER I					
MIP101	Modern Pharmaceutical Analytical Techniques	4	4	4	100
MIP 102	Pharmaceutical Formulation Development	4	4	4	100
MIP 103	Novel drug delivery systems	4	4	4	100
MIP 104	Intellectual Property Rights	4	4	4	100
MIP191	Industrial Pharmacy Practical I	12	6	12	150
MIP 181	Seminar/Assignment	7	4	7	100
Total		35	26	35	650
SEMESTER II					
MIP201	Advanced Biopharmaceutics and Pharmacokinetics	4	4	4	100
MIP202	Scale up and Technology Transfer	4	4	4	100
MIP203	Pharmaceutical Production Technology	4	4	4	100
MIP204	Entrepreneurship Management	4	4	4	100
MIP291	Industrial Pharmacy Practical II	12	6	12	150
MIP 281	Seminar/Assignment	7	4	7	100
Total		35	26	35	650



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MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY
(valid from 2018-2019)

Course of study for M. Pharm. III Semester
Common for all specialisations

Sr.No.	Course Code	Course	Contact Hours			Credit Points
			L	Project	Full Marks	
3	MPT-391	Discussion / Presentation (Proposal)		2	100	2
4	MPT-392	Research Work		28	100	14
SESSIONAL*						
1.	MPT-384	Research Methodology and Biostatistics*	4		100	4
2	MPT-381	Journal club		1	100	1
	Total		4	31		21



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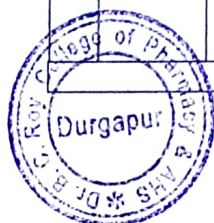
Syllabus of M. Pharm. IV Semester

(Effective for 2018-2019 Admission Session)

Course of study for M. Pharm. IV Semester

(Common for All Specializations)

Sr. No.	Course Code	Course Name	Contact Hours			Full Marks	Credit points
			L	T	P		
1	MPT-491	Discussion/Final Presentation			3	100	3
2	MPT-492	Research Work			31	100	16
Sessional							
3	MPT-481	Journal Club			1	100	1
4	MPT-482	Co-curricular Activities Participation in National Level seminar/Conference/Workshop/Symposium/Training Programs (related to the specialization of the student). Participation in International Level seminar/Conference/Workshop/Symposium/Training Programs (related to the specialization of the student). Academic Award/research Award from State Level/National Agencies. Academic Award/research Award from International Agencies. Research/Review Publication in National Journals (Indexed in Scopus/Web of Science). Research/Review Publication in International Journals (Indexed in Scopus/Web of Science).					3
Total					35		23



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MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WB
Syllabus of M. Pharm. IV Semester
(Effective for 2018-2019 Admission Session)

SEMESTER	Credit Points
I	26
II	26
III	21
IV	23
Total	96

Guidelines for Awarding Credit Points for Co-curricular Activities
(One 1 Credit & One 2 Credit Course to be chosen)

Name of the Activity	Maximum Credit Points Eligible / Activity
Participation in National Level Seminar / Conference/ Workshop/ Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/Research Award from State Level/National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02

Note: International Conference: Held Outside India

International Journal: The Editorial Board outside India



[Signature]
12/12/14
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