

BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
NEW COURSE STRUCTURE - To be effective from academic session 2018- 19

Based on CBCS & OBE model

**Recommended scheme of study for M.Pharm. (Pharmaceutical Chemistry) Program as per PCI Syllabus
 (Education Regulation 2014)**

SEMESTER / Session of Study (Recommended)	Course Level	Category of course	Course Code	Courses	Mode of delivery & credits <i>L-Lecture; T-Tutorial;P- Practicals</i>			Total Credits <i>C- Credits</i>	
					L <i>(Periods/ week)</i>	T <i>(Periods/ week)</i>	P <i>(Periods/ week)</i>	C	
				THEORY					
FIRST Monsoon	Fifth	Programme Core (PC)	MPC101T	Modern Pharmaceutical Analytical Techniques	4	0	0	4	
			MPC102T	Advanced Organic Chemistry -I	4	0	0	4	
			MPC103T	Advanced Medicinal Chemistry	4	0	0	4	
			MPC104T	Chemistry of Natural Products	4	0	0	4	
			LABORATORIES						
		Programme Core (PC)	MPC105P	Pharmaceutical Chemistry Practical I	0	0	12	6	
		MPC106S	Seminar/Assignment	0	0	7	4		
				TOTAL				26	
				THEORY					
SECOND Spring	Fifth	Programme Core (PC)	MPC201T	Advanced Analysis Spectral	4	0	0	4	
			MPC202T	Advanced Organic Chemistry II	4	0	0	4	
			MPC203T	Computer Aided Drug Design	4	0	0	4	
			MPC204T	Pharmaceutical Process Chemistry	4	0	0	4	
			LABORATORIES						
		Programme Core (PC)	MPC205P	Pharmaceutical Chemistry Practical II	0	0	12	6	
		MPC206S	Seminar/Assignment	0	0	7	4		
				TOTAL				26	
TOTAL FOR FIFTH LEVEL								52	

		THEORY						
THIRD Monsoon	Sixth	Programme Core (PC)	MRM301T	Research Methodology and Biostatistics*	4	0	0	4
		LABORATORIES						
		Programme Core (PC)	MPC301	Journal club	0	0	1	1
			MPC302	Discussion / Presentation (Proposal Presentation)	0	0	2	2
			MPC303	Research Work	0	0	28	14
TOTAL						21		
		LABORATORIES						
FOURTH Spring	Sixth	Programme Core (PC)	MPC401	Journal Club	0	0	1	1
			MPC402	Discussion/Final Presentation	0	0	3	3
			MPC403	Research Work	0	0	31	16
			MPC404	Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	0	0	0	4
		TOTAL						24
TOTAL FOR SIXTH LEVEL							45	
GRAND TOTAL FOR M. PHARM PROGRAMME (52 + 45)							97	