

**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. (Pharmaceutics) 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 (Periods/week)	T (Periods/week)	P (Periods/week)	C	
				<b>THEORY</b>					
<b>FIRST Monsoon</b>	<b>Fifth</b>	Programme Core (PC)	MPH101T	Modern Pharmaceutical Analytical Techniques	4	0	0	4	
			MPH102T	Drug Delivery System	4	0	0	4	
			MPH103T	Modern Pharmaceutics	4	0	0	4	
			MPH104T	Regulatory Affair	4	0	0	4	
				<b>LABORATORIES</b>					
				Programme Core (PC)	MPH105P	Pharmaceutics Practical I	0	0	12
			MPH106S	Seminar/Assignment	0	0	7	4	
			<b>TOTAL</b>					<b>26</b>	
				<b>THEORY</b>					
<b>SECOND Spring</b>	<b>Fifth</b>	Programme Core (PC)	MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	4	0	0	4	
			MPH202T	Advanced Biopharmaceutics & Pharmacokinetics	4	0	0	4	
			MPH203T	Computer Aided Drug Delivery System	4	0	0	4	
			MPH204T	Cosmetic and Cosmeceuticals	4	0	0	4	
				<b>LABORATORIES</b>					
				Programme Core (PC)	MPH205P	Pharmaceutics Practical II	0	0	12
			MPH206S	Seminar/Assignment	0	0	7	4	
			<b>TOTAL</b>					<b>26</b>	
			<b>TOTAL FOR FIFTH LEVEL</b>					<b>52</b>	

		<b>THEORY</b>						
<b>THIRD Monsoon</b>	<b>Sixth</b>	Programme Core (PC)	MRM301T	Research Methodology and Biostatistics*	4	0	0	4
		<b>LABORATORIES</b>						
		Programme Core (PC)	MPH301	Journal club	0	0	1	1
			MPH302	Discussion / Presentation (Proposal Presentation)	0	0	2	2
			MPH303	Research Work	0	0	28	14
<b>TOTAL</b>							<b>21</b>	
		<b>LABORATORIES</b>						
<b>FOURTH Spring</b>	<b>Sixth</b>	Programme Core (PC)	MPH401	Journal Club	0	0	1	1
			MPH402	Discussion/Final Presentation	0	0	3	3
			MPH403	Research Work	0	0	31	16
			MPH404	Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	0	0	0	4
		<b>TOTAL</b>						<b>24</b>
		<b>TOTAL FOR SIXTH LEVEL</b>						<b>45</b>
		<b>GRAND TOTAL FOR M. PHARM PROGRAMME (52 + 45)</b>						<b>97</b>