

**Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, Mumbai
and
School of Pharmacy & Technology Management, Shirpur, Hyderabad & Indore**

Course Structure: B. Pharm + MBA (MBA Pharma Tech) For AY 2025-26

Semester - I				Semester - II			
S.N O.	Course Name	Credi ts	Remark s	S.N O.	Course Name	Credi ts	Remarks
1	Human Anatomy and Physiology I – Theory	4		1	Human Anatomy and Physiology II – Theory	4	
2	Pharmaceutical Analysis – Theory	4		2	Pharmaceutical Organic Chemistry I – Theory	4	
3	Pharmaceutics I – Theory	4		3	Biochemistry - Theory	4	
4	Pharmaceutical Inorganic Chemistry – Theory	4		4	Pathophysiology – Theory	4	
5	Communication skills – Theory	2		5	Computer Applications in Pharmacy – Theory	3	
6	Remedial Biology – Theory	2		6	Environmental sciences – Theory	3	
7	Remedial Mathematics – Theory	2		7	Human Anatomy and Physiology II – Practical	2	
8	Human Anatomy and Physiology I - Practical	2		8	Pharmaceutical Organic Chemistry I – Practical	2	
9	Pharmaceutical Analysis – Practical	2		9	Biochemistry – Practical	2	
10	Pharmaceutics I – Practical	2		10	Computer Applications in Pharmacy – Practical	1	
11	Pharmaceutical Inorganic Chemistry – Practical	2					
12	Communication skills – Practical	1					
13	Remedial Biology – Practical	1					
	Total	32			Total	29	

Semester - III				Semester - IV			
S.N.O.	Course Name	Cred its	Remarks	S.N.O.	Course Name	Credits	Remarks
1	Pharmaceutical Organic Chemistry II – Theory	4		1	Pharmaceutical Organic Chemistry III – Theory	4	
2	Physical Pharmaceutics I – Theory	4		2	Medicinal Chemistry I – Theory	4	
3	Pharmaceutical Microbiology – Theory	4		3	Physical Pharmaceutics II – Theory	4	
4	Pharmaceutical Engineering – Theory	4		4	Pharmacology I – Theory	4	
5	Pharmaceutical Organic Chemistry II – Practical	2		5	Pharmacognosy and Phytochemistry I – Theory	4	
6	Physical Pharmaceutics I – Practical	2		6	Medicinal Chemistry I – Practical	2	
7	Pharmaceutical Microbiology – Practical	2		7	Physical Pharmaceutics II – Practical	2	
8	Pharmaceutical Engineering – Practical	2		8	Pharmacology I – Practical	2	
9	Organizational Behaviour I	2		9	Pharmacognosy and Phytochemistry I – Practical	2	
10	Excel for Managers	1	Only ICA	10	Business Economics	2	
				11	Pharma Business Environment	1	
	Total	27			Total	31	

Semester - V				Semester - VI			
S. No.	Course Name	Credits	Remarks	S. No.	Course Name	Credits	Remarks
1	Medicinal Chemistry II – Theory	4		1	Medicinal Chemistry III – Theory	4	
2	Industrial Pharmacy I – Theory	4		2	Pharmacology III – Theory	4	
3	Pharmacology II – Theory	4		3	Herbal Drug Technology – Theory	4	
4	Pharmacognosy and Phytochemistry II – Theory	4		4	Biopharmaceutics and Pharmacokinetics – Theory	4	
5	Pharmaceutical Jurisprudence – Theory	4		5	Pharmaceutical Biotechnology – Theory	4	
6	Industrial Pharmacy I – Practical	2		6	Pharmaceutical Quality Assurance - Theory	4	
7	Pharmacology II – Practical	2		7	Medicinal Chemistry III – Practical	2	
8	Pharmacognosy and Phytochemistry II – Practical	2		8	Pharmacology III – Practical	2	
9	Organizational Behaviour II	2		9	Herbal Drug Technology – Practical	2	
10	Marketing Management Concepts and Strategies	3		10	Pharma Sales Management	3	
11	Financial Accounting	2		11	Human Resource Management I	2	
12	Indian Knowledge Systems	1	Only ICA	12	Introduction to Python	1	Only ICA
13	Quantitative Methods for Managers	2					
	Total	36			Total	36	

Semester - VII				Semester - VIII			
S. No.	Course Name	Credits	Remarks	S. N. O.	Course Name	Credits	Remarks
1	Instrumental Methods of Analysis – Theory	4		1	Biostatistics and Research Methodology - Theory	4	
2	Industrial Pharmacy II – Theory	4		2	Social and Preventive Pharmacy - Theory	4	
3	Pharmacy Practice – Theory	4		3	Project Work	6	
4	Novel Drug Delivery Systems – Theory	4		4	Life Skills	1	Only ICA
5	Instrumental Methods of Analysis – Practical	2		5	Brand Plan and Strategies	2	
6	Practice School	6		6	Consumer Behaviour	2	
7	Marketing Research Methodology	2		7	Pharmaceutical Supply Chain Management	2	
8	Business and Health Analytics	2	Only ICA	8	Digital Healthcare Strategy and Transformation	2	
9	Project Management	2		Electives (Choose any TWO)		8	
10	Management Accounting	2		1	Pharmaceutical Marketing Management - Theory		
11	Career Initiation Skills	1	Only ICA	2	Pharmaceutical Regulatory Science – Theory		
12	Human Resource Management I	2		3	Pharmacovigilance – Theory		
13	Industrial Training	4		4	Quality Control and Standardization of Herbals – Theory		
				5	Computer Aided Drug Design – Theory		
				6	Cell and Molecular Biology – Theory		
				7	Cosmetic Science – Theory		
				8	Pharmacological Screening Methods – Theory		
				9	Advanced Instrumentation Techniques – Theory		
				10	Dietary Supplements and Nutraceuticals - Theory		
				11	Pharmaceutical Product Development – Theory		
				Electives (Choose any ONE)		2	
				1	Entrepreneurship & New Ventures in Healthcare- I		
				2	Human Resource Management II		
				3	Analyzing Indian Pharma Market Data		Only ICA
	Total	39			Total	33	

Semester - IX			Semester - X		
S.No.	Course Name	Credits	S.No.	Course Name	Credits
	Management Internship Programme	17	1	Entrepreneurship & New Ventures in Healthcare	2
1	Financial Analysis Planning and Control	2	2	Pharma International Business	2
2	Brand and Product Management	2	3	Organization Behaviour	2
3	Sales Management Including Data Analytics	2	4	Business Strategy & Implementation	2
4	Human Resource Management I	2	5	Quantitative Techniques for Forecasting and Decision Making	2
5	Digital Healthcare Strategy and Transformation	2		Electives (Choose any Six)	
6	Business Analytics (Visual)	2	1	Machine Learning with Python	2
7	Consumer Behaviour	2	2	Medical Devices and Diagnostics - II	2
	Electives (Choose any Five)		3	Consumer Healthcare Marketing and Strategy	2
1	Medical Devices and Diagnostics - I	2	4	Active Pharmaceutical Ingredients	2
2	Biosimilar & Specialty Products	2	5	Healthcare Policy & Management	2
3	Laws Relevant to Pharmaceutical Industry incl. Cyber Laws & Security	2	6	Financial Management II	2
4	Pharmacoconomics and Technology Assessment	2	7	Analyzing Indian Pharma Market Data	2
5	ESG, Ethics and Compliance	2	8	Human Resource Management II	2
6	Artificial Intelligence in Pharma and Healthcare	2	9	Management Consulting in Pharma and Healthcare	2
7	Designing Digital-Social Media Assets	2			
8	Customer Relationship Management	2			
	Total	24		Total	22