



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S  
**PRIYADARSHINI J. L. COLLEGE OF PHARMACY**

(Formerly known as J. L. Chaturvedi College of Pharmacy)

Electronics Zone Building, MIDC, Hingna Road, Nagpur-440016 (M.S.) India

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## 2.6 Student Performance and Learning Outcomes

### 2.6.1 Program Outcome and Course Outcome Mapping

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**CO-PO-PSO Mapping, 2022-23 (Even Sem)**

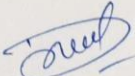
**B. Pharm Sem. II**

HUMAN ANATOMY AND PHYSIOLOGY-II														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	2	2	2		2	2	2	2	2	2	2		
CO2	2	2	2	2		2	2	2	2	2	2	2		
CO3	2	2	2	2		2	2	2	2	2	2	2		
CO4	2	2	2	2		2	2	2	2	2	2	2	2	
CO5	2	2	2	2		2	2	2	2	2	2		2	
CO6	2	2	2	2		2	2	2	2	2	2			2

PHARMACEUTICAL ORGANIC CHEMISTRY I														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	1	1	1	1		1	1	1	1	1	1	1	1	1
CO2	1	1	1	1		1	1	1	1	1	1	1	1	1
CO3	1	1	1	1		1	1	1	1	1	1	1	1	1
CO4	1	1	1	1		1	1	1	1	1	1	1	1	1

PATHOPHYSIOLOGY														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	1	1	1	1		1	1	1	1	1	1	1	1	
CO2	1	1	1	1		1	1	1	1	1	1	1	1	
CO3	1	1	1	1		1	1	1	1	1	1	1	1	

COMPUTER APPLICATION IN PHARMACY														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3	3		3	3	3	3	3	3	3	3	
CO2	3	3	3	3		3	3	3	3	3	3	3	3	
CO3	3	3	3	3		3	3	3	3	3	3	3	3	

  
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ENVIRONMENTAL SCIENCES														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3	3		3		3	3	3	3			
CO2	3	3	3	3		3		3	3	3	3			
CO3	3	3	3			3		3	3	3	3			
CO4	3	3	3	3		3		3	3	3	3			
CO5	3	3	3			3		3	3	3	3		3	
CO6	3	3	3	3		3		3	3	3	3			

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### B. Pharm Sem- IV

PHARMACEUTICAL ORGANIC CHEMISTRY –III (C 401)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CO2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CO3	1	1	1	1	1	1	1	1	1	1	1	1	1	1

MEDICINAL CHEMISTRY-I (C 402)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	2	2	2		2	2	2	2	2	2	2	2	
CO2	2	2	2	2		2	2	2	2	2	2	2	2	2
CO3	2	2	2	2	2	2	2	2	2	2	2	2		2
CO4	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PHYSICAL PHARMACEUTICS-II (C 403)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	2	2	2		2	2	2	2	2	2			2
CO2	2	2	2	2		2	2	2	2	2	2			2
CO3	2	2	2	2	2	2	2	2	2	2	2	2		2

PHARMACOLOGY-I (C 404)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	2	2	2	2		2	2	2	2	2	2	2		
CO2	2	2	2	2	2	2	2	2	2	2	2	2	2	
CO3	2	2	2	2		2	2	2	2	2	2	2	2	
CO4	2	2	2	2		2	2	2	2	2	2			2
CO5	2	2	2	2		2	2	2	2	2	2	2	2	2

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**PHARMACOGNOSY AND PHYTOCHEMISTRY I (C 405)**

	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3	3		3	3	3	3	3	3	3	3	3
CO2	3	3	3	3		3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3	3	3		
CO4	3	3	3	3	3	3	3	3	3	3	3	3		
CO5		3	3	3		3	3	3	3	3	3			

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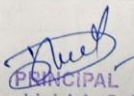


**B. Pharm Sem- VI**

MEDICINAL CHEMISTRY – III (BP601T)														
	PO											PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 0	PO 1	PSO 1	PSO 2	PSO 3
CO 1	3	3	3			3	3	3	3	3	3	3		3
CO 2	3	3	3	3		3		3	3	3	3	3	3	
CO 3	3	3	3			3		3	3	3	3	3	3	3
CO 4	3	3	3	3		3		3	3	3	3	3	3	3

PHARMACOLOGY-III (BP602T)														
	PO											PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 0	PO 1	PSO 1	PSO 2	PSO 3
CO 1	2	2	2	2		2		2	2	2	2	2	2	2
CO 2	2	2	2			2	2	2	2	2	2		2	2
CO 3	2	2	2	2		2		2	2	2	2	2	2	2

HERBAL DRUG TECHNOLOGY (BP603T)														
	PO											PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 0	PO 1	PSO 1	PSO 2	PSO 3
CO 1	3	3	3			3		3	3	3	3	3	3	3
CO 2	3	3	3			3	3	3	3	3	3		3	
CO 3	3	3	3			3		3	3	3	3	3	3	3
CO 4	3	3	3			3	3	3	3	3	3			3

  
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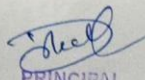
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BIOPHARMACEUTICS AND PHARMACOKINETICS (BP604T)														
	PO										PSO			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PSO 1	PSO 2	PSO 3
CO 1	1	1	1			1		1	1	1	1	1	1	1
CO 2	1	1	1	2		1		1	1	1	1	1	1	1
CO 3	1	1	1	2		1	1	1	1	1	1	1	1	1
CO 4	1	1	1			1	1	1	1	1	1	1	1	1

PHARMACEUTICAL BIOTECHNOLOGY (BP605T)														
	PO										PSO			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PSO 1	PSO 2	PSO 3
CO 1	2	2	2			2		2	2	2	2	2	2	
CO 2	2	2	2	2		2		2	2	2	2	2	2	
CO 3	2	2	2			2		2	2	2	2	2	2	
CO 4	2	2	2			2	2	2	2	2	2	2	2	

PHARMACEUTICAL QUALITY ASSURANCE (BP606T)														
	PO										PSO			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PSO 1	PSO 2	PSO 3
CO 1	3	3	3			3		3	3	3	3	3		3
CO 2	3	3	3	3		3		3	3	3	3	3		3
CO 3	3	3	3			3		3	3	3	3	3		3
CO 4	3	3	3			3		3	3	3	3	3		3

  
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### B. Pharm Sem- VIII

BIOSTATISTICS AND RESEARCH METHODOLOGY (C801T)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3	3		3		3	3	3	3	3		3
CO2	3	3	3	2		3		3	2	3	3	3		3
CO3	3	3	3	3		3		3	3	3	3	3		3

SOCIAL AND PREVENTIVE PHARMACY (C802T)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3	3		
CO2	3	3	3			3	3	3	2	3	3	3		3
CO3	3	3	3			3	3	3	3	3	3	3		

PHARMA MARKETING MANAGEMENT (C803E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3	3		2
CO2	3	3	2			3	3	3	3	3	3			
CO3	3	3	3			3	3	3	3	3	3			

PHARMACEUTICAL REGULATORY SCIENCE (C804E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3		3	3
CO2	3	3	3			3	3	2	3	3	3			3
CO3	3	3	3			3	3	3	3	3	3			3

PHARMACOVIGILANCE (C805E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3	3		
CO2	3	3	3			3	3	3	3	3	3	3		3
CO3	3	3	3			3	3	3	3	3	3	3	3	
CO4	3	3	3			3	3	3	3	3	3	3	3	3

*(Handwritten Signature)*  
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QUALITY CONTROL AND STANDARDIZATION OF HERBALS (C806E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	2	3	3	3	3	3	3
CO2	3	3	3			3	2	3	3	3	3	3		
CO3	3	3	3			3	3	3	3	3	3	3		3
CO4	3	3	3			3	3	3	3	3	3	3		3

COMPUTER AIDED DRUG DESIGN (C807E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3	3		3		3	3	3	3	3		3
CO2	3	3	2	3		3		2	3	3	3	3		3
CO3	3	3	3	3		3		3	3	3	2	3		3
CO2	3	3	3	3		3		3	3	3	3	3		3
CO3	3	3	3	3		3		3	3	3	3	3		3

COSMETIC SCIENCE C809E														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3	3	3	
CO2	3	3	3			3	3	3	3	3	3	3	3	
CO3	3	3	3			3	3	3	3	3	3	3	3	

PHARMACOLOGICAL SCREENING METHODS (C810E)														
	PO											PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	3	3			3	3	3	3	3	3	3	3	3
CO2	3	3	3			3	3	2	3	3	3	3	3	3
CO3	3	3	3			3	3	2	3	3	3	3	3	3
CO4	3	3	3			3	3	3	3	3	3	3	3	3

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