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### **1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process**

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**Priyadarshini J.L. College of Pharmacy**

# Pharmacy Council of India

New Delhi

## Rules & Syllabus for the Bachelor of Pharmacy (B. Pharm) Course



[Framed under Regulation 6, 7 & 8  
of the Bachelor of Pharmacy (B.

**Link for RTMNU website**

[https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty\\_of\\_Science/B.Pharm.New\\_Syllabus\\_2017-18.pdf](https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty_of_Science/B.Pharm.New_Syllabus_2017-18.pdf)

**Link for PCI website [Syllabus\\_B\\_Pharm.pdf \(pci.nic.in\)](http://pci.nic.in)**






**Priyadarshini J.L. College of Pharmacy**

**2016**

**THE MASTER OF PHARMACY (M. PHARM.)  
COURSE REGULATION 2014**  
(BASED ON NOTIFICATION IN THE GAZETTE OF INDIA No. 362, DATED DECEMBER 11, 2014)

**SCHEME AND  
SYLLABUS**

 **PHARMACY COUNCIL OF INDIA**  
Combined Council's Building, Kotla Road,  
Aiwan-E-Ghalib Marg, New Delhi-110 002.  
Website : www.pci.nic.

**Link to RTMNU website**

[https://www.nagpuruniversity.ac.in/links/Syllabus/Faculty\\_of\\_Pharmacy/M.Pharm. New Syllabus 2017-18.pdf](https://www.nagpuruniversity.ac.in/links/Syllabus/Faculty_of_Pharmacy/M.Pharm._New_Syllabus_2017-18.pdf)

**Link to PCI website**

[Syllabus M Pharm.pdf \(pci.nic.in\)](#)



ATTESTED TRUE COPY  
  
PRINCIPAL  
Priyadarshini J.L. College of  
Pharmacy, Nagpur.



# RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

(Established by Government of Central Provinces Education Department by Notification No. 513, dated 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Maharashtra Act No VI of 2017)  
(Academic Section)

Academic Section, Rashtrasant Tukadoji Maharaj Nagpur University, Jannalal Bajaj Administrative Building, Mahatma Jotiba Phule Educational Premises, Campus Square to Ambazari T-Point Road, Nagpur-440033

No. Acad./Acad.Cale./2022/312-

Date: 10<sup>th</sup> June, 2022

## NOTIFICATION

It is notified for general information of all the University conducted/ constituent/ affiliated colleges and Post-Graduate Teaching Departments of the University that the Academic Calendar for the session 2022-23 will be as under:

### A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER SEMESTER PATTERN FOR SESSION 2022-23.

#### 1. Terms & Vacation

First Term (Odd semesters)	:	23.06.2022 to 18.11.2022
Diwali Holidays	:	20.10.2022 to 29.10.2022
Winter Vacation	:	19.11.2022 to 07.12.2022
Second Term (Even semesters)	:	08.12.2022 to 30.04.2023
Summer Vacation	:	01.05.2023 to 15.06.2023

#### 2. Admissions\*

a) Last date of Admission (First term odd sem)	:	1 <sup>st</sup> August, 2022
b) Last date for Admission with prior permission of the Vice-Chancellor	:	1 <sup>st</sup> September, 2022

3. Last date of submission of Enrolment forms to the university : Within fifteen days from the last notified date of Admission

#### 4. Examination

##### A. Winter Examinations.

##### 1. Commencement of Exam.

a) Failure Students in even semesters	:	03.10.2022
b) Regular students in odd semesters	:	21.11.2022

##### 2. Last date for receipt of exams. forms

a) Regular students	:	31.08.2022 (for admission other than 1st year)
b) Old Ex-Students	:	16.05.2022
c) Ex-Students of immediately previous examination	:	Within 15 days from the date of declaration of the result of summer Exams.

##### B. Summer Exams.

##### 1. Commencement of Exams.

a) Failure of odd semester	:	15.03.2023
b) Regular Even semester	:	22.03.2023

##### 2. Last date for receipt of examinations forms

a) Regular Students	:	15.02.2023
b) Old Ex-Students	:	15.12.2022
c) Ex-Students of immediately previous exam	:	Within 15 days from the date of declaration of the result of winter Exams.

5. Declaration of Results : As per governing provisions of the Act.

### B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER ANNUAL PATTERN FOR SESSION 2022-23.

#### 1. Terms & Vacation

First Term	:	23.06.2022 to 18.11.2022
Diwali Holidays	:	20.10.2022 to 29.10.2022
Second Term	:	08.12.2022 to 30.04.2023
Summer Vacation	:	01.05.2023 to 15.06.2023
Winter Vacation	:	19.11.2022 to 07.12.2022

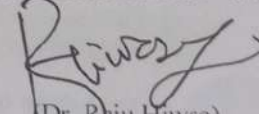


<b>2. Admissions*</b>	
a) Last date of Admission	: 1 <sup>st</sup> August, 2022
b) Last date for Admission with prior Permission of the Vice-Chancellor	: 1 <sup>st</sup> September, 2022
<b>3. Last date of submission of Enrolment forms to the university</b>	: Within fifteen days from the last notified date of Admission.
<b>6. Examination</b>	
Winter Examinations.	
1. Commencement of Exam.	: 03.10.2022
2. Last date for receipt of exams. forms	
a) Old Ex-Students	: 16.08.2022
b) Ex-Students of immediately previous examination	: Within 15 days from the date of declaration of the result of summer exam
Summer Exams.	
1. Commencement of Exams.	: 22.03.2023
2. Last date for receipt of exams. forms	
a) Regular Students	: 15.02.2023
b) Old Ex-Students	: 15.12.2022
c) Ex-Students of immediately previous exam.	: Within 15 days from the date of declaration of the result of winter exam
<b>5. Declaration of Results</b>	: As per governing provisions of the Act.
<b>C) Convocation Winter 2021 &amp; Summer 2022</b>	: <b>December 2022</b>

**Special Instructions :**

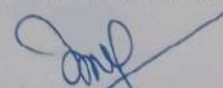
1. The Principals/Heads of the institutions should communicate the list of students admitted in their colleges/ institutions to the university within 15 days from the last date of admission as notified by the university.
2. Students admitted after the last date as specified above shall not be considered for enrolment in the University and therefore, shall not be permitted to appear at the university examinations.
3. All government & other holidays are calculated on the basis of last year's statistics. It is likely to be same except small variations after the declaration by the Government/authorities. The schedule of such holidays will be separately notified by the university at the beginning of Calendar Year
4. Theory and Practical examinations may be held on Sunday with prior permission and intimation.
5. It is necessary by the Principals/Head of the Department to certify the number of actual teaching days conducted during the academic session.
6. All efforts should be made to achieve more than 180 teaching days in Annual Pattern and 90 days per Semester in Semester Pattern.
7. This schedule is applicable only for the entry level admissions to various courses excluding the courses where admissions are governed by centralized admission process.
8. Therefore, the last date of admissions for all courses where centralized admission process is adopted shall be notified separately.
9. The Last Date of examination forms for CAP round admission will be 15 days from the last date of admissions.
10. In case, Admissions governed by **Conditional Eligibility** the last date for submission of examinations form shall be within fifteen days after declaration of its qualifying examinations provided such students should have been admitted provisionally for its next higher academic session as per Direction No. 27 of 2008 and 6 Of 2010.
11. **Special Note:**  
Owing to the Pandemic situation, there is a possibility that this Academic Calendar may require changes during its course of implementation in accordance with the norms and guidelines issued by the Government and other regulating bodies. In view of this, the Academic Council authorizes Hon'ble Vice-Chancellor to make necessary amendments and modifications in this Academic Calendar.

By Order of the Hon'ble Vice- Chancellor

  
(Dr. Raju Hiwse)  
Registrar

**Copy forwarded for information and necessary action to :-**

1. P.A. to Hon'ble Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
2. P.A. to Hon'ble Pro-Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
3. P.A. to Registrar, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
4. The Principals of all Colleges / Head of the Post- Graduate Teaching Departments of the Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.
5. All Officers of the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
6. The Registrar of All Universities in the Maharashtra State.
7. Dr.Veena Prakash, Information Scientist, University Campus Library, RTMNU, Nagpur
8. The Editor, All local News Papers. They are requested to kindly publish the above Notification in their esteemed News Paper as a News Item.

  
(Dr. Rajendra Utkhede)  
Deputy Registrar (Acad.)(Ad.Ch.)

**Academic Calendar Session 2022-2023**

**ODD SEM**

- First term : 23/06/2022 to 18/11/2022
- Commencement of Classes (B.Ph. V & VII sem) : 18/07/2022
- Commencement of Classes (B.Ph. III, M.Ph. Sem III) : 01/08/2022\*
- Commencement of Classes (B.Ph. & M.Ph Sem I) : 01/09/2022\*
- Pharmacist Day Celebration : 25/09/2022
- Class test I (Theory & Practical) : 12/09/22 - 17/10/22\*
- Class test II (Theory & Practical) : 10/10/22 - 15/10/22\*
- Founders Day Celebration & Fresher welcome : 10/10/22
- NSS camp : Third week of October 22\*
- Diwali Vacation : 20/10/2022 to 29/10/2022\*
- University Practical /Theory examination : Third week of November 21\*

**EVEN SEM**

- Second term : 08/12/2022 to 30/04/2023
- Commencement of Classes : 08/12/2022 \*  
(B.Ph. II, IV, VI, VIII Sem & M. Ph. Sem II)
- Industrial visit (B.Pharm I and II) : First week of February 23\*
- Class test I (Theory & Practical) : 06/02/23 - 11/02/23\*
- Class test II (Theory & Practical) : 06/03/23 - 11/03/23\*
- University Theory / Practical examination : Third week of March 23\*
- Summer Vacation : 01/05/23 to 15/06/23\*
- College open in session 2023-24 : 16/06/2023

\*Subject to change as per necessity and notification from government and R.T. M. Nagpur University

*Asuani*  
*(A. J. Asuani)*  
*Academic Incharge*

*(Sheen)*  
*25/06/2022*  
PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
 Time – Table for B Pharm Sem I  
 (2022-23)

Class	10:00am – 2.00pm				BREAK	02:30-3:30	03:30-4:30	04:30-5:30
	I	P' Ceu I RHK (A)	P' Inorg. MPY (B)	P' Ana I SCD(C)		P' Ceu I RHK	P' Inorg. MPY	HAP SAD (Tutorial)
I	HAP SAD (A)	P' Ceu I (B) VMB	P' Inorg. DAJ (C)		HAP SAD	P' Ceu I RHK	P' Inorg. MPY	
I	P' Ana I SCD (A)	Comm. Skills MSK- (B)/ Rem. Biology / JSK		P' Ceu I VMB (C)	P' Inorg. MPY	P' Ana I SKS	P' Ceu I RHK (Tutorial)	
I	P' Inorg. DAJ (A)	HAP PNA (B)	Comm. Skills MSK (C)		P' Ana I SKS	HAP SAD	Comm. Skills MSK	
I	Comm. Skills MSK (A)	P' Ana I PVB (B)	HAP SKB(C)		Comm. Skills MSK	P' Inorg. MPY	Remedial Biology (SPM)	
II	Remedial Maths SGP/ Remedial Biology (SPM)	P' Ceu I RHK	HAP SAD	P' Ana I SKS	Library	Remedial Maths SGP	P' Ana I SKS (Tutorial)	

*Aswini*

Time Table In charge

(A.J. Aswani)

*(Signature)*

Principal

PRINCIPAL  
 Priyadarshini J. L. College of  
 Pharmacy, Nagpur.



Priyadarshini J. L. College of Pharmacy, Nagpur  
Time - Table for B Pharm Sem III (2022-23)

Class	10:00am - 2:00pm				02:30-3:30	03:30-4:30	04:30-5:30
II	Phy. Pharm. ART (A)	Pharm. Org. II DMA (B)	LIB (C)	BREAK	Phy. Pharm. ART	Pharm. Org. II DMA	Assignment & Seminar
II	LIB (A)	Phy. Pharm. ART (B)	Pharm. Org. II DMA (C)		P <sup>r</sup> Engg. SSB	Phy. Pharm. YNG	Pharm. Org. II DMA (Tutorial)
II	Pharm. Org. II DMA (A)	LIB (B)	Phy. Pharm. ART (C)		Pharm. Org. II DMA	Micro YNG	Phy. Pharm. ART (Tutorial)
II	P <sup>r</sup> Engg. SSB (A)	Micro YNG (B)	LIB (C)		P <sup>r</sup> Engg. SSB	Micro YNG	Assignment & Seminar
II	LIB (A)	P <sup>r</sup> Engg. (B) MDR	Micro YNG (C)		Phy. Pharm. YNG	P <sup>r</sup> Engg. SSB	Micro YNG (Tutorial)
II	Micro YNG (A)	LIB (B)	P <sup>r</sup> Engg. (C) MDR		Micro YNG	Pharm. Org. II DMA	P <sup>r</sup> Engg. SSB (Tutorial)

Aswari

Time Table In charge

(A. J. Aswari)

(Signature)

Principal

Priyadarshini J. L. College of  
Pharmacy, Nagpur.



**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Time – Table for B Pharm V Sem (2021-22)**

DAY	10:10 AM - 11:10 AM	11:11 AM- 12:10 PM	12:11PM- 01:00 PM	01:00 PM - 05 :00 PM			
MON	PMC DPK	IP GRD	<b>BREAK</b>	<b>IP</b> <b>PVB</b> <b>(A)</b>	<b>PCOL</b> <b>PNA</b> <b>(B)</b>	<b>PCOG</b> <b>AJC</b> <b>(C)</b>	
TUE	IP GRD	PMC DPK		<b>PCOG</b> <b>SGG</b> <b>(A)</b>	<b>IP</b> <b>GRD</b> <b>(B)</b>	<b>PCOL</b> <b>PNA</b> <b>(C)</b>	
WED	PCOG SGG	PJ PVB		<b>PCOL</b> <b>SCD</b> <b>(A)</b>	<b>PCOG</b> <b>AJC</b> <b>(B)</b>	<b>IP</b> <b>PVB</b> <b>(C)</b>	
THUR	PJ PVB	PCOG SGG		PCOL PNA	PCOG SGG	PJ PVB	<b>Library</b>
FRI	PMC DPK	IP GRD		IP GRD	PCOL PNA	PCOL PNA	<b>Library</b>
SAT	PCOG SGG	PJ PVB		PMC DPK	IP GRD	PCOL PNA	<b>Library</b>

*Aravind*

Time Table In charge

*(A. J. Aravind)*

*(Sheela)*

Principal

PRINCIPAL

Priyadarshini J. L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
Time – Table for B Pharm VII Sem (2022-23)

10:00am - 01:00pm			R B B R E A K	1:30pm -5.30pm		
IMA (MPY)	NDDS (KPU)	PP (VMB)		IMA MPY (A)	Practice School- 1-SSB 2- ART (B)	Practice School- 3&4 VMB &AJA (C)
PP (VMB)	IMA (MPY)	NDDS (KPU)		Practice School- 3&4 DAJ &AJA (A)	IMA JSK (B)	Practice School- 5&6 SAR & SPM (C)
NDDS (KPU)	PP (VMB)	IMA (MPY)		Practice School- 1&2 SSB &JSK (A)	Practice School- 5&6 SAR & SPM (B)	IMA JSK (C)
PP (VMB)	IP (DJ)	IP (DJ)		Practice School- 5&6 SAR & SPM (A)	Practice School- 3&4 DAJ &DPK (B)	Practice School- 1&2 GRD & DJ (C)
IMA (MPY)	IP (DJ)	Assignment		Results and Discussion of Practice School with respective Teachers*		
IP (DJ)	Assignment	NDDS (KPU)		Seminar on Practice School **		

*Aswani*  
Time Table In charge  
(A.S. Aswani)

Practice School I. Formulation Development

2. Molecular biology & cell Culture techniques
3. QC and QA of Pharmaceuticals
4. Drug Design and Process Chemistry
5. Experimental Pharmacology
6. Herbal Technology

\*. Results and Discussion of Practice School with respective Teachers

\*\*.. Seminar on Practice School

*Shree*  
Principal  
PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Time – Table Odd Sem**  
**M Pharm SEM III (2022-23)**

10:10--1:10				2.00-5.00pm		
Research Work				Research Work		
Research Work				Research Work		
Research Work				Research Work		
Research methodology SCD	Research Methodology SCD	Library		Research Work		
Research methodology SCD	Discussion and Presentation	Research Work		Research Work		
Research methodology SCD	Discussion and Presentation	Journal Club		Research Work		

*Asuwi*  
 Time Table I/C  
 (A. J. Asuwi)

*Johan*  
 Principal  
 PRINCIPAL  
 Priyadarshini J. L. College of  
 Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
 Time – Table for B Pharm Sem II (2022-23)

Class	10:00am – 2.00pm				BREAK	02:30-3:30	03:30-4:30	04:30-5:30
	II	HAP (A) SAD	ASSIGNMENT (B)	POC SST (C)			Patho VRB	Biochem SKS
II	ASSIGNMENT (A)	HAP YNG (B)	Biochem AJC (C)		HAP SAD	Patho VRB	Biochem SKS (Tutorial)	
II	POC SST (A)	Biochem SKS (B)	HAP DJ (C)		Biochem SKS	POC SST	POC SST(Tutorial )	
II	10:00 am – 12:00 noon	12:00 noon - 2:00pm						
	Computer Application (SGP)	Computer Application (SGP)	ASSIGNMENT (C)		Computer Application SGP	Computer Application SGP	Patho VRB (Tutorial)	
II	Biochem SKS (A)	POC SST (B)	Computer Application (SGP)		HAP SAD	EVS JSK	POC SST	
II	POC SST	Patho VRB	Biochem SKS	HAP SAD	EVS JSK	EVS JSK	Computer Application SGP	

*Alexis*

Time Table In-charge

*Shree*

Principal

PRINCIPAL

Priyadarshini J. L. College of  
 Pharmacy, Nagpur.



**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Time – Table for B Pharm Sem IV (2022-23)**

Class	10:00am – 2.00pm				02:30-3:30	03:30-4:30	04:30-5:30
IV	PMC AGB (A)	ASSIGNMENT (B)	PP YNG (C)		POC-III DMA	Pcog -I SPM	PMC- I AJA Tutorial
IV	PP YNG (A)	PMC MDR (B)	Pcog -I SPM (C)		PMC- I AJA	POC-III DMA	Pcog -I SPM Tutorial
IV	Pcog -I SPM (A)	Pcol I SB (B)	PMC MDR (C)		Pcol I SB	PP GRD	POC-III DMA Tutorial
IV	Pcol I SB (A)	PP GRD (B)	Computer Application (only directly admitted) SGP(C)		Pcog -I SPM	Pcol I SB	PP GRD Tutorial
IV	ASSIGNMENT (A)	Pcog - I (B) DMA	Pcol I SB (C)		PP GRD	PMC- I AJA	Pcol I SB Tutorial
IV	Pcol I SB	PP GRD	Pcog -I SPM		POC-III DMA	PMC- I AJA	LIBRARY

*Asena*

Time Table In charge

*Suresh*

Principal

PRINCIPAL  
 Priyadarshini J. L. College of  
 Pharmacy, Nagpur.

**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Time – Table for B Pharm VI Sem (2022-23)**

DAY	10:10 AM -1:10 AM	11:11 AM- 12:10 PM	12:11PM- 01:00 PM	01:00 PM -05 :00 PM			
MON	PMCIH DPK	BIOPH SSB	BREAK	PMCIH DPK	PCOL SAR (B)	HDT SGG (C)	
TUE	BIOPH SSB	PMCIH DPK		HDT JSK (A)	PMCIH DMA (B)	PCOL SAR (C)	
WED	HDT SGG	BIOTECH PVB		PCOL PNA (A)	HDT JSK (B)	PMCIH DMA (C)	
THUR	BIOTECH PVB	HDT SGG		PCOL SAR	HDT SGG	BIOTECH PVB	QA MDR
FRI	PMCIH DPK	BIOPH SSB		PCOL SAR	HDT SGG	QA MDR	QA MDRy
SAT	PCOL SAR	BIOTECH PVB		PMCIH DPK	BIOPH SSB	PCOL SAR	QA MDR

*Aswari*

Time Table In charge

*[Signature]*  
Principal

PRINCIPAL  
 Priyadarshini J. L. College of  
 Pharmacy, Nagpur.

**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Time – Table for B Pharm VIII Sem (2022-23)**

10:00am - 01:00pm			BREAK	1.30pm -5.30pm			
Biostatistics and Research Methodology ART	Social and Preventive Pharmacy YNG	Cosmetic Science KPU		Biostatistics and Research Methodology ART	Quality Control and Stand. of Herbals VDG	PROJECT	CADD MDR
Cosmetic Science KPU	Biostatistics and Research Methodology ART	Social and Preventive Pharmacy YNG		Quality Control and Stand. of Herbals VDG	PROJECT	PROJECT	Pharmaceutica I Regulatory Science JSK
Social and Preventive Pharmacy YNG	Cosmetic Science KPU	Biostatistics and Research Methodology ART		Advanced Instrumentation Techniques MPY	Quality Control and Stand. of Herbals VDG	Pharma Marketing Management RHK	CADD MDR
Cell and Molecular ART	Social and Preventive Pharmacy YNG	Pharma Marketing Management RHK		PV AJC	PROJECT	Quality Control and Stand. of Herbals VDG	Pharmaceutica I Regulatory Science JSK
PV AJC	Pharmaceutical Regulatory Science JSK	PROJECT		Pharma Marketing Management RHK	Cosmetic Science KPU	PROJECT	CADD MDR
CADD MDR	PV AJC	PROJECT		PROJECT	Pharma Marketing Management RHK	PV AJC	Pharmaceutica I Regulatory Science JSK

*Asna*

Time Table In charge

*Janab*

Principal

**PRINCIPAL**  
**Priyadarshini J. L. College of**  
**Pharmacy, Nagpur.**

Note: Only Two Elective subjects are selected by students and during another elective subject they will be performed their project work by concerning their guides in respective labs

**Teaching Plan (Theory)**  
**(Academic Year: 2022-2023)**

<b>Name of the Institute:</b> Priyadarshini J. L. College of Pharmacy	<b>Name of the Subject:</b> Novel Drug Delivery Systems
<b>Institute Code No.</b>	<b>Subject Code:</b> BP 704
<b>Name of the Program:</b> B. Pharm SEM VII	<b>Name of the Faculty:</b> Dr. Mrs. K.P. Upadhye
<b>Semester:</b> Odd	<b>Probable / Actual Hrs. Available:</b> 45 hrs.

Unit no.	Topic	No. of Lectures	Subtopic to be covered	No of Lectures for subtopics	L. R. / Media to be used	Month & Date of commencement	Date of Completion	Remark (Shortfall, if any)
1.	<b>Fundamental Concepts in Controlled Release</b>	10	Introduction, terminology/definitions and rationale, advantages, disadvantages, selection of drug candidates..	1	Chalk board/LCD projector	15/7/2022	15/07/2022	
			Approaches to design controlled release formulations based on diffusion, dissolution and ion exchange principles. Physicochemical and biological properties of drugs relevant to controlled release formulations..	7	Chalk board/LCD projector	16/07/2022	26/06/2022	
	<b>Polymers</b>		: Introduction, classification, properties, advantages and application of polymers in formulation of controlled release drug delivery systems.	2	Chalk board/LCD projector	29/07/2022	30/07/2022	
3	<b>Gastroretentive drug delivery systems:</b>	10	Introduction, advantages, disadvantages, approaches for GRDDS – Floating, high density systems, inflatable and gastroadhesive systems and their applications	3	Chalk board/LCD projector	01/08/2022	04/07/2022	



	Transdermal Drug Delivery		Introduction, Permeation through skin, factors affecting permeation, permeation enhancers, basic components of TDDS, formulation approaches	4	Chalk board/LCD projector	06/08/2022	10/08/2022	
	<b>Nasopulmonary drug delivery system:</b>		Introduction to Nasal and Pulmonary routes of drug delivery, Formulation of Inhalers (dry powder and metered dose), nasal sprays, nebulizers	3	Chalk board/LCD projector	<b>13/08/2022</b>	<b>15/07/2022</b>	
2	<b>Mucosal Drug Delivery system:</b>		Introduction, Principles of bioadhesion / mucoadhesion, concepts, advantages and disadvantages, transmucosal permeability and formulation considerations of buccal delivery systems	3	Chalk board/LCD projector	17/08/2022	21/08/2022	
	<b>Implantable Drug Delivery Systems</b>		: Introduction, advantages and disadvantages, concept of implants and osmotic pump	3	Chalk board/LCD projector	22/08/2022	27/08/2022	
5	<b>Ocular Drug Delivery Systems</b>	07	: Introduction, intra ocular barriers and methods to overcome –Preliminary study, ocular formulations and ocuserts	04	Chalk board/LCD projector	29/08/2022	03/09/2022	
	<b>Intrauterine Drug Delivery Systems</b>		: Introduction, advantages and disadvantages, development of intra uterine devices (IUDs) and applications	03	Chalk board/LCD projector	04/09/2022	06/09/2022	
4	<b>Targeted drug Delivery</b>	08	Concepts and approaches advantages and disadvantages, introduction to liposomes, niosomes, nanoparticles, monoclonal antibodies and their applications	08	Chalk board/LCD projector	01/10/2022	15/10/2022	

	<b>Microencapsulation</b> :	3	Definition, advantages and disadvantages, microspheres /microcapsules, microparticles, methods of microencapsulation, applications	3	Chalk board/LCD projector	28/10/2022	30/10/2022	


**Assignments, Class tests and revision test on the above topics have been taken on a regular basis through Google classroom.**

**Dr. (Mrs) K.P. Upadhye**  
(Subject In-charge)

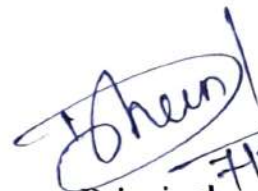
**Rashtrasant Tukadoji Maharaj Nagpur University**  
**Centre: 265, Priyadarshini J.L. College of Pharmacy, Nagpur**  
**Non-University Theory Examination (NUE)**  
**SUMMER 2022 Examination**  
**B. Pharmacy Semester II and IV (Directly admitted students) (CGBS)**

Day/Date	Class	Subject
Monday 25/07/2022	<b>B. Pharmacy Semester II and IV (Directly admitted students)</b>	Computer Applications in Pharmacy
Wednesday 27/07/2022	<b>B. Pharmacy Semester II</b>	Environmental Sciences

**Note: Time of examination will be 2.00 pm –4.00 pm**

  
Examination officer  
(Dr. G. R. Dixit)

Associates Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

  
Principal  
(Dr. D. R. Chaple)

PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
First Sessional Theory Examination (2022-23) (Odd Sem)

B. Pharm Semester V and VII (CGBS)

Time Table

Day and Date	Class and Semester	Subject
Monday 12/09/2022	B. Pharmacy Sem V	Medicinal Chemistry – II
	B. Pharmacy Sem VII	Instrumental Methods of Analysis
Tuesday 13/09/2022	B. Pharmacy Sem V	Industrial Pharmacy – I
	B. Pharmacy Sem VII	Industrial Pharmacy - II
Wednesday 14/09/2022	B. Pharmacy Sem VII	Pharmacy Practice
Thursday 15/09/2022	B. Pharmacy Sem V	Pharmacology - II
	B. Pharmacy Sem VII	Novel Drug Delivery System
Friday 16/09/2022	B. Pharmacy Sem V	Pharmacognosy and Phytochemistry - II
Saturday 17/09/2022	B. Pharmacy Sem V	Pharmaceutical Jurisprudence

Note: Time of examination will be 11.30 am – 12.30 pm

The First Sessional Practical examination will be conducted by subject teacher as per regular time table between 12/09/2022 and 17/09/2022.

Gpinit  
02/09/22  
Examination officer, PJLCP

Aswaini  
02/09/22  
For Principal  
PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.



**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**Improvement Sessional Theory Examination, 2022-23**


**B. Pharm Sem-IV**  
**(CGBS)**

**Time Table**

Date	Day	Subject
13/10/2022	Thursday	Pharmaceutical organic chemistry-III
15/10/2022	Saturday	Medicinal chemistry-I
17/10/2022	Monday	Physical Pharmaceutics-II
18/10/2022	Tuesday	Pharmacology-I
19/10/2022	Wednesday	Pharmacognosy and phytochemistry-I

**Time of Examination will be 3.00 pm – 4.00 pm**

*mt*  
*07/10/22*  
**G. R. Dixit**  
**Examination Officer**

  
**(Dr. D. R. Chaple)**  
**Principal**  
**PRINCIPAL**  
**Priyadarshini J. L. College of**  
**Pharmacy, Nagpur.**

**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**First Sessional Theory Examination, Summer 2022-23**

**B. Pharm Sem-III (CGBS)**

**Time Table**

Date	Day	Subject
15/10/2022	Saturday	Pharmaceutical organic chemistry-II
17/10/2022	Monday	Physical Pharmaceutics-I
18/10/2022	Tuesday	Pharmaceutical microbiology
19/10/2022	Wednesday	Pharmaceutical engineering

Note: Time of Examination will be 3.00 pm – 4.00 pm

The first sessional practical examination will be conducted in between 12/10/2022 to 19/10/2022

*Gomrit*  
*07/10/22*

(Dr. G. R. Dixit)

Examination Officer



(Dr. D. R. Chaple)

Principal

PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
Second Sessional Theory Examination Winter 2022

Time Table

B. Pharm Semester III (CGBS) (Directly Admitted Students)

Date	Day	Subject
23/01/2023	Monday	Pharmaceutical Organic Chemistry II
24/01/2023	Tuesday	Physical Pharmaceutics I
25/01/2023	Wednesday	Pharmaceutical Microbiology
27/01/2023	Friday	Pharmaceutical Engineering

**Note: Time of examination will be 11.00 am – 12.00 noon**

The second sessional practical examination will be conducted by subject teacher between 16<sup>th</sup> January 2023 and 27<sup>th</sup> January 2023.

*G. R. Dixit*  
13/01/2023  
Dr. Mrs. G. R. Dixit  
Examination Officer

*Sharma*  
13/01/23  
Dr. D. R. Chaple  
Principal

**PRINCIPAL**  
Priyadarshini J.L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
First Sessional Theory Examination (2022-23)

Time Table

**B. Pharm Semester I (CGBS)**

Date	Day	Subject
28/02/2023	Tuesday	Remedial Biology/ Remedial Mathematics
01/03/2023	Wednesday	Communication skills
02/03/2023	Thursday	Human Anatomy and Physiology I
03/03/2023	Friday	Pharmaceutical Analysis I
04/03/2023	Saturday	Pharmaceutics I
06/03/2023	Monday	Pharmaceutical Inorganic Chemistry

**Note: Time of examination will be 11.00 am – 12.00 noon**

- **The B Pharm Sem III CGBS Diploma Students should appear for the subject Communication Skills**
- **The first sessional practical examination will be conducted by the subject teacher between 27/02/2023 to 04/03/2023 as per regular time table.**

*Print*  
Ms. G. R. Dixit  
21/02/23



(Dr. D. R. Chaple)  
Principal



Priyadarshini J. L. College of Pharmacy, Nagpur  
First Sessional Theory Examination (2022-23)

Time Table

B. Pharm Semester VI (CGBS)

Date/ Day	Name of Subjects
28/02/2023 Tuesday	Medicinal Chemistry III
01/03/2023 Wednesday	Pharmacology III <i>RRS</i>
02/03/2023 Thursday	Herbal Drug Technology
03/03/2023 Friday	Biopharmaceutics and Pharmacokinetics
04/03/2023 Saturday	Pharmaceutical Biotechnology
06/03/2023 Monday	Quality Assurance

**Note: Time of examination will be 11.00 am – 12.00 noon**

**The first sessional practical examination will be conducted by the subject teacher between 27/02/2023 to 04/03/2023 as per regular time table.**

*Gomint*  
17/02/23

(Dr. Mrs. G. R. Dixit)

Examination Officer, PJLCP

Associates Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

*John L*

(Dr. D. R. Chaple)

Principal

PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

Priyadarshini J. L. College of Pharmacy, Nagpur  
First Sessional Theory Examination (2022-23)  
Time Table

**B. Pharm Semester VIII (CGBS)**

Date/ Day	Name of Subjects
28/02/2023 Tuesday	Biostatistics and Research Methodology
01/03/2023 Wednesday	Quality Control and Standardization of Herbals Pharmaceutical Marketing
02/03/2023 Thursday	Cosmetic Science Pharmaceutical Regulatory Science
03/03/2023 Friday	Computer Aided Drug Design ✓ Pharmacovigilance
04/03/2023 Saturday	Social and Preventive Pharmacy

**Note: Time of examination will be 02.00 pm – 03.00 pm**

*Gomit*  
(Dr. Mrs) G. R. Dixit  
17/02/23

Examination Officer, PJLCP

Associates Prof. / ~~Asst. Prof.~~  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

*Toheer*

(Dr. D. R. Chaple)  
Principal

PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

**Priyadarshini J. L. College of Pharmacy, Nagpur**  
**First Sessional Theory Examination – 2022 -2023**

**Time Table**

**M. Pharm Semester I (CGBS)**

Date / Day	Class	Name of Subjects
01/03/2023 Wednesday	M. Pharm (Pharmaceutics)	Modern Pharmaceutical Analytical Techniques ✓ AGB ABA
	M. Pharm (Pharmaceutical Chemistry)	
	M. Pharm (Pharmacology)	
	M. Pharm (Pharmacognosy)	
02/03/2023 Thursday	M. Pharm (Pharmaceutics)	Drug Delivery System
	M. Pharm (Pharmaceutical Chemistry)	Advanced Organic Chemistry -I
	M. Pharm (Pharmacology)	Advanced Pharmacology-I ✓ RAD
	M. Pharm (Pharmacognosy)	Advanced Pharmacognosy-I
03/03/2023 Friday	M. Pharm (Pharmaceutics)	Modern Pharmaceutics
	M. Pharm (Pharmaceutical Chemistry)	Advanced Medicinal Chemistry ✓ KCB
	M. Pharm (Pharmacology)	Pharmacological and Toxicological Screening Methods-I
	M. Pharm (Pharmacognosy)	Phytochemistry
04/03/2023 Saturday	M. Pharm (Pharmaceutics)	Regulatory Affair
	M. Pharm (Pharmaceutical Chemistry)	Chemistry of Natural Products
	M. Pharm (Pharmacology)	Cellular and Molecular Pharmacology
	M. Pharm (Pharmacognosy)	Industrial Pharmacognostical Technology

**Note:** Time of Examination 2:00 pm to 3:00 pm

- First Sessional Practical will be conducted as per regular time table between 27/02/2023 to 04/03/2023

*Gomti*  
- 17/02/23  
Dr. Mrs. G. R. Dixit  
Examination Officer

Associate Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

*Shaw*  
Dr. D. R. Chaple  
Principal  
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Priyadarshini J. L. College of  
Pharmacy, Nagpur.

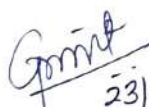
Priyadarshini J. L. College of Pharmacy, Nagpur  
Second Sessional Theory Examination (2022-23)

Time Table

B. Pharm Semester I (CGBS)

Date/Day	Time of Exam	Subject
31/03/2023 Friday	11.00 am – 12.00 noon	Communication skills
	2.00 pm to 3.00 pm	Remedial Biology/Remedial Mathematics
01/04/2023 Saturday	11.00 am – 12.00 noon	Human Anatomy and Physiology I
03/04/2023 Monday	11.00 am – 12.00 noon	Pharmaceutical Analysis I
05/04/2023 Wednesday	11.00 am – 12.00 noon	Pharmaceutics I
06/04/2023 Thursday	11.00 am – 12.00 noon	Pharmaceutical Inorganic Chemistry

**Note: The B Pharm Sem IV CGBS Diploma Students should appear for the subject Communication Skills**

  
23/03/23

(Dr. Mrs. G. R. Dixit)

Examination Officer, PJLCP

Associates Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.



(Dr. D. R. Chaple)

Principal

PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.




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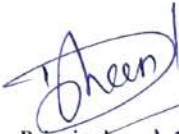
**Rashtrasantukadoji Maharaj Nagpur University**  
**Centre: 265, Priyadarshini J.L. College of Pharmacy, Nagpur**  
**University Practical Examination Winter 2022**  
**M. Pharmacy Semester I (CGBS)**  
**Time Table**

Date	Class	Name of practical
10/04/2023	M.Pharm Sem I (Pharmaceutics)	Pharmaceutics Practical I
Monday	M.Pharm Sem I (Pharmacognosy)	Pharmacognosy Practical I
11/04/2023	M.Pharm Sem I (Pharmaceutical Chemistry)	Pharmaceutical Chemistry Practical I
Tuesday		
12/04/2023	M.Pharm Sem I (Pharmacology)	Pharmacology Practical I
Wednesday		

Note: 1. Time of Examination 11:00 am to 05:00 pm.

  
- 31/03/2023  
Examination Officer P.J.L.C.P.

Associates Prof. / Asstt. Prof.  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.

  
Principal 31/03/2023  
PRINCIPAL  
Priyadarshini J. L. College of  
Pharmacy, Nagpur.