



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM

PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25

EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy
Semester: I

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm
Admission Batch: 2024-25

S. No.	Subject Code	Subject Title	Maximum Marks Allotted										Total			
			Theory(100/50* Marks)			Studio/Practical (50/25* Marks)				Total Marks	Hours/week				Credits	Hours
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation		L		T	P	SM			
				Mid Sem Test (MST)	Attendance/Quiz /Assignment		Lab Work	Attendance/Assignment/viva/Lab manual								
1	PHYNOHAP011T	Human Anatomy and Physiology I – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
2	PHYNOPAN012T	Pharmaceutical Analysis I – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
3	PHYNOPCS013T	Pharmaceutics I – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
4	PHYNOCHM014T	Pharmaceutical Inorganic Chemistry –Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
5	PHYNOCMS015N	Communication skills – Theory *	35	10	05	-	-	-	50	2	-	-	-	2	2	
6	PHYNORBI016N/ PHYNORMT016N	Remedial Biology/ Remedial Mathematics – Theory*	35	10	05	-	-	-	50	2	-	-	-	2	2	
7	PHYNOHAP011P	Human Anatomy and Physiology – Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
8	PHYNOPAN012P	Pharmaceutical Analysis I – Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
9	PHYNOPCS013P	Pharmaceutics I – Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
10	PHYNOCHM014P	Pharmaceutical Inorganic Chemistry –Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
11	PHYNOCMS017N	Communication skills – Practical*	-	-	-	15	05	05	25	-	-	2	-	1	2	
12	PHYNORBI018N	Remedial Biology – Practical*	-	-	-	15	05	05	25	-	-	2	-	1	2	
Total			370	80	50	170	50	30[#]/25^{\$}	750[#]/ 725^{\$}	16	4	20[#]/ 18^{\$}		30[#]/ 29^{\$}	40[#]/ 38^{\$}	

NOTE: # - Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

\$ - Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* - Non University Examination (NUE)



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM

PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25

EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: II

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2024-25

S.No	Subject Code	Subject Title	Maximum Marks Allotted												
			Theory(100/75*/50# Marks)			Studio/Practical (50/25* Marks)			Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	SM	Credits	Hrs
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual							
1	PHYNOHAP021T	Human Anatomy and Physiology II – Theory	75	15	10	-	-	-	100	3	1	-		4	4
2	PHYNOCHM022T	Pharmaceutical Organic Chemistry I – Theory	75	15	10	-	-	-	100	3	1	-		4	4
3	PHYNOCHM023T	Biochemistry – Theory	75	15	10	-	-	-	100	3	1	-		4	4
4	PHYNOPCLO24T	Pathophysiology – Theory	75	15	10	-	-	-	100	3	1	-		4	4
5	PHYNOCAP025N	Computer Applications in Pharmacy – Theory *	50	15	10	-	-	-	75	3	-	-		3	3
6	PHYNOEVS026N	Environmental sciences – Theory *	50	15	10	-	-	-	75	3	-	-		3	3
7	PHYNOHAP021P	Human Anatomy and Physiology II – Practical	-	-	-	35	10	05	50	-	-	4		2	4
8	PHYNOCHM022P	Pharmaceutical Organic Chemistry I – Practical	-	-	-	35	10	05	50	-	-	4		2	4
9	PHYNOCHM023P	Biochemistry – Practical	-	-	-	35	10	05	50	-	-	4		2	4
10	PHYNOCAP027N	Computer Applications in Pharmacy – Practical*	-	-	-	15	05	05	25	-	-	2		1	2
Total			400	90	60	120	35	20	725	18	4	14		29	36

NOTE: * Non University Examination (NUE) subjects



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM

PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25

EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: III

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2024-25

S. No.	Subject Code	Subject Title	Maximum Marks Allotted													
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation		L		T	P	SM	Credits	Hrs	
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual								
1	PHYNOCHM031T	Pharmaceutical Organic Chemistry II – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
2	PHYNOPPH032T	Physical Pharmaceutics I – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
3	PHYNOPMB033T	Pharmaceutical Microbiology – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
4	PHYNOPEG034T	Pharmaceutical Engineering – Theory	75	15	10	-	-	-	100	3	1	-	-	4	4	
5	PHYNOCHM031P	Pharmaceutical Organic Chemistry II Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
6	PHYNOPPH032P	Physical Pharmaceutics I – Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
7	PHYNOPMB033P	Pharmaceutical Microbiology – Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
8	PHYNOPEG034P	Pharmaceutical Engineering –Practical	-	-	-	35	10	05	50	-	-	4	-	2	4	
		Total	300	60	40	140	40	20	600	12	4	16	-	24	32	
Elective Subjects (For Lateral Entry students only)																
9	PHYNOCAP035N	Computer Applications in Pharmacy – Theory *	50	15	10	-	-	-	75	3	-	-	-	3	3	
10	PHYNOCAP036N	Computer Applications in Pharmacy – Practical*	-	-	-	15	05	05	25	-	-	2	-	1	2	
11	PHYNOCMS037N	Communication skills – Theory *	35	10	05	-	-	-	50	2	-	-	-	2	2	
12	PHYNOCMS038N	Communication skills – Practical*	-	-	-	15	05	05	25	-	-	2	-	1	2	
		Total	385	85	55	170	50	30	775	17	4	20	-	31	41	

NOTE: * Non University Examination (NUE) subjects (NUE) subjects for only lateral entry students



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM

PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25

EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: IV

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2023-24

S.No.	Subject Code	Subject Title	Maximum Marks Allotted												
			Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	SM	Credits	Hrs
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual							
1	PHYNOCHM041T	Pharmaceutical Organic Chemistry III– Theory	75	15	10			100	3	1			4	4	
2	PHYNOMCH042T	Medicinal Chemistry I – Theory	75	15	10			100	3	1			4	4	
3	PHYNOPPH043T	Physical Pharmaceutics II – Theory	75	15	10			100	3	1			4	4	
4	PHYNOPCL044T	Pharmacology I – Theory	75	15	10			100	3	1			4	4	
5	PHYNOPPC045T	Pharmacognosy and Phytochemistry I– Theory	75	15	10			100	3	1			4	4	
6	PHYNOMCH042P	Medicinal Chemistry I – Practical				35	10	5	50	-	-	4		2	4
7	PHYNOPPH043P	Physical Pharmaceutics II – Practical				35	10	5	50	-	-	4		2	4
8	PHYNOPCL044P	Pharmacology I – Practical				35	10	5	50	-	-	4		2	4
9	PHYNOPPC045P	Pharmacognosy and Phytochemistry I – Practical				35	10	5	50	-	-	4		2	4
Total			375	75	50	140	40	20	700	12	4	20	-	28	36



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM

PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25

EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: V

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2024-25

S.No	Subject Code	Subject Title	Maximum Marks Allotted												
			Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	SM	Credits	Hrs
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual							
1	PHYNOMCH051T	Medicinal Chemistry II – Theory	75	15	10			100	3	1			4	4	
2	PHYNOIPH052T	Industrial Pharmacy I– Theory	75	15	10			100	3	1			4	4	
3	PHYNOPCL053T	Pharmacology II – Theory	75	15	10			100	3	1			4	4	
4	PHYNOPPC054T	Pharmacognosy and Phytochemistry II– Theory	75	15	10			100	3	1			4	4	
5	PHYNOPHJ055T	Pharmaceutical Jurisprudence – Theory	75	15	10			100	3	1			4	4	
6	PHYNOIPH052P	Industrial Pharmacy I – Practical				35	10	05	50	-	-	4		2	4
7	PHYNOPCL053P	Pharmacology II – Practical				35	10	05	50	-	-	4		2	4
8	PHYNOPPC054P	Pharmacognosy and Phytochemistry II – Practical				35	10	05	50	-	-	4		2	4
Total			375	75	50	105	30	15	650	15	5	12		26	32



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM
PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25
EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: VI

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2024-25

S.No	Subject Code	Subject Title	Maximum Marks Allotted												
			Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	SM	Credits	Hrs
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual							
1	PHYNOMCH061T	Medicinal Chemistry III – Theory	75	15	10				100	3	1			4	4
2	PHYNOPCL062T	Pharmacology III – Theory	75	15	10				100	3	1			4	4
3	PHYNOHDT063T	Herbal Drug Technology – Theory	75	15	10				100	3	1			4	4
4	PHYNOBPP064T	Biopharmaceutics and Pharmacokinetics –Theory	75	15	10				100	3	1			4	4
5	PHYNOPBT065T	Pharmaceutical Biotechnology – Theory	75	15	10				100	3	1			4	4
6	PHYNOQAS066T	Quality Assurance –Theory	75	15	10				100	3	1			4	4
7	PHYNOMCH061P	Medicinal chemistry III – Practical				35	10	5	50	-	-	4		2	4
8	PHYNOPCL062P	Pharmacology III – Practical				35	10	5	50	-	-	4		2	4
9	PHYNOHDT063P	Herbal Drug Technology – Practical				35	10	5	50	-	-	4		2	4
Total			450	90	60	105	30	15	750	18	6	12		30	36



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM
PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25
EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy

Semester: VII

Subject wise Distribution of Marks and corresponding Credits

Program Code: B Pharm

Admission Batch: 2024-25

S.No	Subject Code	Subject Title	Maximum Marks Allotted													
			Theory(100 Marks)			Studio/Practical (50 Marks)				Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation		L		T	P	SM	Credits	Hrs	
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual								
1	PHYNOIMA071T	Instrumental Methods of Analysis – Theory	75	15	10				100	3	1			4	4	
2	PHYNOIPH072T	Industrial Pharmacy II – Theory	75	15	10				100	3	1			4	4	
3	PHYNOPPR073T	Pharmacy Practice – Theory	75	15	10				100	3	1			4	4	
4	PHYNONDD074T	Novel Drug Delivery System – Theory	75	15	10				100	3	1			4	4	
5	PHYNOIMA071P	Instrumental Methods of Analysis – Practical				35	10	5	50	-	-	4		2	4	
6	PHYNOPRS075N	Practice School*				125	-	25	150	-	-	12		6	12	
Total			300	60	40	160	10	30	600	12	4	16	0	24	32	

NOTE: * Non University Examination (NUE) subject



PROGRAM STRUCTURE

CREDIT BASED GRADING SYSTEM
PROGRAM STRUCTURE FOR ACADEMIC SESSION 2024-25
EFFECTIVE FROM ACADEMIC SESSION: 2024-25

Program: Bachelor of Pharmacy
Semester: VIII

Program Code: B Pharm
Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

S.No.	Subject Code	Subject Title	Maximum Marks Allotted												
			Theory(100 Marks)			Studio/Practical (150,25# Marks)			Total Marks	Hours/week				Total	
			End Semester	Continuous Internal Evaluation		End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	SM	Credits	Hrs
				Mid Sem Test (MST)	Attendance/Quiz/Assignment		Lab Work	Attendance/Assignment/viva/Lab manual							
1	PHYNOBRM081T	Biostatistics and Research Methodology	75	15	10				100	3	1			4	4
2	PHYNOSPP082T	Social and Preventive Pharmacy	75	15	10				100	3	1			4	4
3	XXXNOXXX083T	Departmental Elective I	75	15	10				100	3	1			4	4
4	XXXNOXXX083T	Departmental Elective II	75	15	10				100	3	1			4	4
5	PHYNOPRW084P	Project Work				150			150			12		6	12
6	PHYNOPRA085N	Professional Activity #				-	-	25	25	-	-	-	2	1	2
Total			300	60	40	150	-	25	575	12	4	12	2	23	30

NOTE: # NTCC subjects,

From below Elective list two different subjects can be selected as Departmental Elective I & Departmental Elective II

S.No.	Subject Code	Subject Title	S.No.	Subject Code	Subject Title
1	PHYNOPMM083T	Pharma Marketing Management	6	PHYNOCMB083T	Cell and Molecular Biology
2	PHYNOPRS083T	Pharmaceutical Regulatory Science	7	PHYNOCSC083T	Cosmetic Science
3	PHYNOPCV083T	Pharmacovigilance	8	PHYNOEXP083T	Experimental Pharmacology
4	PHYNOQCS083T	Quality Control and Standardization of Herbals	9	PHYNOAIT083T	Advanced Instrumentation Techniques
5	PHYNOCAD083T	Computer Aided Drug Design	10	PHYNODSN083T	Dietary Supplements and Nutraceuticals

From below Elective list of LSSSDC Skill India, Departmental Elective II Can be selected as one subjects

S.No.	Subject Code	Subject Title	S.No.	Subject Code	Subject Title
1	PHYNOCPC083T	Chemist In Process Quality Assurance	4	PHYNOACM083T	Associate Clinical Research Management; Site Management
2	PHYNOCQC083T	Chemist Quality Control; HPLC & UV	5	PHYNOCPP083T	Chemist Production; Non-sterile Formulation
3	PHYNOMSR083T	Medical Sales Representative			