

# Geethanjali College of Pharmacy

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Cheerla (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## CO-PO ATTAINMENT REPORT- B. Pharmacy (2019-2023) BATCH

**Table 1: CO-PO CORRELATION MATRIX OF ALL COURSES OF B. Pharmacy (2019-2023) ACADEMIC BATCH**

PROGRAMME: B. PHARMACY													
Year/Sem	Course Name	Course Code	CO-PO Correlation value										
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
I/I	Human Anatomy and Physiology I	C111	3	1	3	2	1	3	3	2	2	2	3
I/I	Pharmaceutical Analysis I	C112	3	1	3	2	1	3	1	1	2	2	3
I/I	Pharmaceutics I	C113	3	2	2.2	2.2	2	3	3	2	2.3	2.2	3
I/I	Pharmaceutical Inorganic Chemistry-I	C114	3	-	2.8	2	-	3	3	-	3	3	3
I/I	Communication skills	C115	2	2	3	2	3	3	2	3	2	2	3
I/I	Remedial Biology	C116	3	-	3	2	-	3	3	-	3	2	3
I/I	Remedial Mathematics	C117	-	-	3	2	-	-	-	-	3	-	3
I/I	Human Anatomy and Physiology-I lab	C118	3	-	3	2	-	3	3	2	2	2	3
I/I	Pharmaceutical Analysis-I lab	C119	3	-	2.8	1.8	-	3	3	3	2.3	2	3
I/I	Pharmaceutics I lab	C1110	3	2	2	2	2	3	3	2	2.3	2	3
I/I	Pharmaceutical Inorganic Chemistry-I lab	C1111	3	-	3	2	-	3	3	-	3	3	3
I/I	Communication skills lab	C1112	-	2	3	2	3	3	2	3	2	2	3
I/I	Remedial Biology lab	C1113	3	-	3	2	-	3	3	-	3	2	3

I/II	Human Anatomy and Physiology II	C121	3	1	3	2	1	3	3	2	2	2	3
I/II	Pharmaceutical Organic Chemistry I	C122	3	-	2.8	2	-	3	3	-	2.8	2	3
I/II	Biochemistry	C123	3	-	2	2	-	3	3	1	2	2	3
I/II	Pathophysiology	C124	3	1	3	2	2	3	3	2	2	2	3
I/II	Computer Applications in Pharmacy	C125	3	-	3	2	-	2	2	-	2	2	2
I/II	Human Anatomy and Physiology II lab	C126	3	-	3	2	-	3	3	2	2	2	3
I/II	Pharmaceutical Organic Chemistry I lab	C127	3	-	2.8	2	-	3	3	-	2.8	2	3
I/II	Biochemistry lab	C128	3	-	3	2	-	3	3	1	3	2	3
I/II	Computer Applications in Pharmacy lab	C129	3	-	3	2	-	1	-	-	2	-	3
II/I	Pharmaceutical Organic Chemistry-II	C211	3	-	3	2	-	3	3	-	3	2	3
II/I	Physical Pharmaceutics-I	C212	3	-	3	2	-	3	3	-	3	2	3
II/I	Pharmaceutical Microbiology	C213	3	1	3	2.6	1	3	3	1	3	2.6	3
II/I	Pharmaceutical Engineering	C214	3	2	2	2	1	3	3	1	2	2	3
II/I	Pharmaceutical Organic Chemistry-II Lab	C215	3	-	3	2	-	3	3	-	3	2	3
II/I	Physical Pharmaceutics-I Lab	C216	3	2	2	2	2	3	3	2	2	2	3
II/I	Pharmaceutical Microbiology Lab	C217	3	1	3	3	1	3	3	1	3	3	3
II/I	Pharmaceutical Engineering Lab	C218	3	2	3	2	1	3	3	1	3	2	3
II/II	Pharmaceutical Organic Chemistry-III	C221	3	-	2	2	-	3	3	1	2	2	3
II/II	Medicinal Chemistry-I	C222	3	-	3	2	-	3	3	-	3	2	3
II/II	Physical Pharmaceutics-II	C223	3	-	3	2	-	3	3	-	3	2	3
II/II	Pharmacology-I	C224	3	1	2.4	2.2	2	3	2	2.2	2.8	1.6	3
II/II	Pharmacognosy and Phytochemistry-I	C225	3	-	2.8	2	-	3	3	-	3	2	3
II/II	Medicinal Chemistry-I Lab	C226	3	-	3	2	-	3	3	-	3	2	3
II/II	Physical Pharmaceutics-II Lab	C227	2.8	2	3	2.4	2	2.8	2.8	2	2.4	2.4	3
II/II	Pharmacology-I Lab	C228	3	1	2.4	2	1	3	3	1	3	2.4	3
II/II	Pharmacognosy & Phytochemistry-I Lab	C229	3	-	2.8	2	-	3	3	-	3	2	3

II/II	Gender Sensitization Lab	C2210	3	-	3	2	-	3	3	1	3	2	3
III/I	Medicinal Chemistry - II	C311	3	-	2	2	-	3	3	1	2	2	3
III/I	Industrial Pharmacy - I	C312	3	1	2	2	1	3	3	1	2	2	3
III/I	Pharmacology - II	C313	3	1	3	2	1	3	3	2	3	1	3
III/I	Pharmacognosy and Photochemistry - II	C314	3	-	3	3	-	3	3	-	3	3	3
III/I	Generic Product Development	C315	3	2	2	2	1	3	3	2	2.8	2	3
III/I	Industrial Pharmacy - I lab	C316	3	2	3	3	1	3	3	1	3	3	3
III/I	Pharmacology – II lab	C317	3	2	3	2.4	1	3	3	2	3	1	3
III/I	Pharmacognosy & Photochemistry- II lab	C318	3	-	3	3	-	3	3	-	3	3	3
III/I	Environmental Sciences	C319	3	1	3	2	1	3	3	1	3	3	3
III/II	Medicinal Chemistry - III	C321	3	-	2	2	-	3	3	-	2	3	3
III/II	Pharmacology – III	C322	3	1	3	3	2	3	3	2	3	2	3
III/II	Herbal Drug Technology	C323	3	-	3	3	-	3	3	-	3	3	3
III/II	Biopharmaceutics and Pharmacokinetics	C324	3	2	2	2	1	3	3	1	2	2	3
III/II	Pharmaceutical Biotechnology	C325	3	2	2	2	1	3	3	2	2.8	2	3
III/II	Medicinal Chemistry – III lab	C326	3	-	3	3	-	3	3	-	3	3	3
III/II	Pharmacology – III lab	C327	3	1	3	3	2	3	3	2	3	2	3
III/II	Herbal Drug Technology lab	C328	3	-	3	3	-	3	3	-	3	3	3
III/II	Human Values and Professional Ethics	C329	3	2	3	3	2	3	3	2	3	3	3
IV/I	Instrumental Methods of Analysis	C411	2.8	-	2.8	2	-	3	2.8	3	3	2	3
IV/I	Industrial Pharmacy-II	C412	3	1	3	3	-	3	3	-	3	3	3
IV/I	Pharmacy Practice	C413	3	2	3	3	2	3	3	2	3	3	3
IV/I	Novel Drug Delivery Systems	C414	3	2	2	2	2	3	3	2	2	2	1
IV/I	Pharmacovigilance	C415	3	2	3	2.6	2	3	3	2	3	2.6	3
IV/I	Instrumental Methods of Analysis Lab	C416	2	2	3	2	3	2	3	3	3	2	3
IV/I	Practice School	C417	2.8	1.8	3	2.6	2.8	2.8	2.8	2.8	3	3	3

IV/I	Industrial Training	C418	±	2	3	2.6	3	3	3	3	3	3	3	
IV/II	Biostatistics & Research Methodology	C421	-	-	3	3	-	-	-	-	3	-	3	
IV/II	Social and Preventive Pharmacy	C422	±	-	2.8	2.4	-	3	3	-	3	2.4	3	
IV/II	Pharmaceutical Jurisprudence	C423	±	2	2.2	2.2	1	3	3	2	2.8	2.2	3	
IV/II	Nano Technology	C424	±	2	2.2	2.2	2	3	3	2	2	2.2	3	
IV/II	Project	C425	±	3	3	3	3	3	3	3	3	3	3	
<b>Average CO-PO Correlation</b>				<b>1.83</b>	<b>0.82</b>	<b>2.75</b>	<b>2.24</b>	<b>0.82</b>	<b>2.85</b>	<b>2.77</b>	<b>1.15</b>	<b>2.68</b>	<b>2.15</b>	<b>2.95</b>

*Principal*  
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**Geethanjali College of Pharmacy**  
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### 13. 19Z CONSOLIDATED CO-ATTAINMENT REPORT

**Note:** 80% weightage to University examination and 20% weightage to Internal exams the attainment calculations will be (80% of University level) + (20% of Internal level).

#### CO Attainment based on internal exam (CI)

% students $\geq$ -bench mark (50%)	Attainment level
60	1
70	2
80	3

#### CO Attainment based on University exam (CU)

% students $\geq$ -bench mark (40%)	Attainment level
60	1
70	2
80	3

### BATCH (2019-2023) REGULATION R17(SEC-B)

#### PROGRAM: B. PHARMACY/FIRST YEAR/ I SEMESTER

#### 1. HUMAN ANATOMY AND PHYSIOLOGY-I(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C111	Human anatomy and physiology-1	CO1	56.81	0	0	88.6	3	2.4	2.4
		CO2	59.06	0	0	88.6	3	2.4	2.4
		CO3	95.45	3	0.6	88.6	3	2.4	3
		CO4	63.67	1	0.2	88.6	3	2.4	2.6
		CO5	20.45	0	0	88.6	3	2.4	2.4
Overall CO attainment			59.09	3	0.6	88.6	3	2.4	2.56

## 2.PHARMACEUTICAL ANALYSIS-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C112	Pharmaceutical Analysis	CO1	61	1	0.2	86	3	2.4	2.6
		CO2	84	3	0.6	86	3	2.4	3
		CO3	73	2	0.4	86	3	2.4	2.8
		CO4	93	3	0.6	86	3	2.4	3
		CO5	93	3	0.6	86	3	2.4	3
Overall CO attainment			80.8	2.4	0.48	86	3	2.4	2.88

## 3.PHARMACEUTICS-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C113	PHARMACEUTICS	CO1	90.60	3	0.6	86.04	3	2.4	3
		CO2	0.00	0	0	86.04	3	2.4	2.4
		CO3	88.30	3	0.6	86.04	3	2.4	3
		CO4	60.40	1	0.2	86.04	3	2.4	2.6
		CO5	11.60	0	0	86.04	3	2.4	2.4
Overall CO attainment			50.18	1.4	0.28	86.04	3	2.4	2.68

#### 4.PHARMACEUTICAL INORGANIC CHEMISTRY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C114	Pharmaceutical organic chemistry-I	CO1	97.67	3	0.6	92.5	3	2.4	3
		CO2	97.67	3	0.6	92.5	3	2.4	3
		CO3	100	3	0.6	92.5	3	2.4	3
		CO4	100	3	0.6	92.5	3	2.4	3
		CO5	100	3	0.6	92.5	3	2.4	3
Overall CO attainment			99.06	3	0.6	92.5	3	2.4	3

#### 5.REMEDIAL BIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C116	Remedial Biology	CO1	66.67	1	0.2	60	1	0.8	1
		CO2	53.33	0	0	60	1	0.8	0.8
		CO3	45.00	0	0	60	1	0.8	0.8
		CO4	45.00	0	0	60	1	0.8	0.8
		CO5	90.00	3	0.6	60	1	0.8	1
Overall CO attainment			60	0.8	0.16	60	1	0.8	0.88

## 6. REMEDIAL MATEMATICS

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C117	Remedial Maths	CO1	38.00	0	0	73.8	2	1.6	1.6
		CO2	64.20	1	0.2	73.8	2	1.6	1.8
		CO3	21.40	0	0	73.8	2	1.6	1.6
		CO4	42.80	0	0	73.8	2	1.6	1.6
		CO5	7.14	0	0	73.8	2	1.6	1.6
Overall CO attainment			34.70	0.2	0.05	73.8	2	1.6	1.64

## 7. HUMAN ANATOMY AND PHYSIOLOGY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C118	Human Anatomy and physiology	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			100.00	3	0.6	100	3	2.4	3



### 8. PHARMACEUTICAL ANALYSIS -I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C119	Pharmaceutical Analysis	CO1	95	3	0.6	100	3	2.4	3
		CO2	95	3	0.6	100	3	2.4	3
		CO3	97	3	0.6	100	3	2.4	3
		CO4	97	3	0.6	100	3	2.4	3
		CO5	97	3	0.6	100	3	2.4	3
Overall CO attainment			96.2	3	0.6	100	3	2.4	3

### 9. PHARMACEUTICS (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1110	Pharmaceutics lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	0.00	0	0	100	3	2.4	2.4
		CO4	0.00	0	0	100	3	2.4	2.4
		CO5	0.00	0	0	100	3	2.4	2.4
Overall CO attainment			40	1.2	0.24	100	3	2.4	2.64

### 11.PHARMACEUTICAL INORGANIC CHEMISTRY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1111	Pharmaceutical Inorganic Chemistry	CO1	65.9	1	0.2	91.6	3	2.4	2.6
		CO2	29.5	0	0	91.6	3	2.4	2.4
		CO3	81.81	3	0.6	91.6	3	2.4	3
		CO4	56.81	1	0.2	91.6	3	2.4	2.6
		CO5	29.54	0	0	91.6	3	2.4	2.4
Overall CO attainment			52.71	0.2	0.2	91.6	3	2.4	2.6

### 12.COMMUNICATION SKILLS (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1112	Communication Skills lab Sec B	CO1	78.00	2	0.4	100	3	2.4	2.8
		CO2	82.00	3	0.6	100	3	2.4	3
		CO3	85.00	3	0.6	100	3	2.4	3
		CO4	92.00	3	0.6	100	3	2.4	3
		CO5	86.00	3	0.6	100	3	2.4	3
Overall CO attainment			84.6	3	0.56	100	3	2.4	2.96

### 13.REMEDIAL BIOLOGY(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1113	Remedial Biology Lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	0.00	0	0	100	3	2.4	2.4
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			80	2.4	0.48	100	3	2.4	2.88

### PROGRAM: B. PHARMACY/FIRST YEAR/ II SEMESTER

#### 1.HUMAN ANATOMY AND PHYSIOLOGY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C121	HumanAnatomyPhysiology-II (Theory)	CO1	100	3	0.6	80	3	2.4	2.6
		CO2	100	3	0.6	80	3	2.4	2.6
		CO3	100	3	0.6	80	3	2.4	2.6
		CO4	100	3	0.6	80	3	2.4	2.6
		CO5	100	3	0.6	80	3	2.4	2.6
Overall CO attainment			100	3	0.6	80	3	2.4	2.6

## 2.PHARMACEUTICAL ORGANIC CHEMISTRY-I(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C122	Pharmaceutical Organic Chemistry-I	CO1	97.67	3	0.6	92.5	3	2.4	3
		CO2	97.67	3	0.6	92.5	3	2.4	3
		CO3	100	3	0.6	92.5	3	2.4	3
		CO4	100	3	0.6	92.5	3	2.4	3
		CO5	100	3	0.6	92.5	3	2.4	3
Overall CO attainment			99.06	3	0.6	92.5	3	2.4	3

## 3.BIOCHEMISTRY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C123/R17	Bio Chemistry	CO1	97.7	3	0.6	93.1	3	2.4	3
		CO2	97.7	3	0.6	93.1	3	2.4	3
		CO3	95.4	3	0.6	93.1	3	2.4	3
		CO4	93.1	3	0.6	93.1	3	2.4	3
		CO5	93.1	3	0.6	93.1	3	2.4	3
Overall CO attainment			95.4	3	0.6	93.1	3	2.4	3

#### 4.PATHO PHYSIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C124	Pathophysiology (SEC B)	CO1	97.67	3	0.6	71.42	2	1.6	2.2
		CO2	97.67	3	0.6	71.42	2	1.6	2.2
		CO3	100.00	3	0.6	71.42	2	1.6	2.2
		CO4	100.00	3	0.6	71.42	2	1.6	2.2
		CO5	100.00	3	0.6	71.42	2	1.6	2.2
Overall CO attainment			99.06	3	0.6	71.42	2	1.6	2.2

#### 5.COMPUTER APPLICATIONS IN PHARMACY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C125	Computer Applications in Pharmacy Sec B	CO1	100	3	0.6	80.95	3	2.4	3
		CO2	100	3	0.6	80.95	3	2.4	3
		CO3	100	3	0.6	80.95	3	2.4	3
		CO4	100	3	0.6	80.95	3	2.4	3
		CO5	100	3	0.6	80.95	3	2.4	3
Overall CO attainment			100	3	0.6	80.95	3	2.4	3

### 6.HUMAN ANATOMY AND PHYSIOLOGY-II (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C126	Human Anatomy Physiology - II Lab	CO1	86.66	3	0.6	100	3	2.4	3
		CO2	82.22	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	97.77	3	0.6	100	3	2.4	3
Overall CO attainment			93.33	3	0.6	100	3	2.4	3

### 7.PHARMACEUTICAL ORGANIC CHEMISTRY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C127	Pharmaceutical Organic Chemistry-I	CO1	97.67	3	0.6	92.5	3	2.4	3
		CO2	97.67	3	0.6	92.5	3	2.4	3
		CO3	100	3	0.6	92.5	3	2.4	3
		CO4	100	3	0.6	92.5	3	2.4	3
		CO5	100	3	0.6	92.5	3	2.4	3
Overall CO attainment			99.06	3	0.6	92.5	3	2.4	3

### 8. BIOCHEMISTRY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C128	Bio Chemistry (Lab)	CO1	90.9	3	0.6	95.45	3	2.4	3
		CO2	90.9	3	0.6	95.45	3	2.4	3
		CO3	90.9	3	0.6	95.45	3	2.4	3
		CO5	88.63	3	0.6	95.45	3	2.4	3
Overall CO attainment									3

### 9. COMPUTER APPLICATIONS IN PHARMACY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C129/ R17	Computer Applications in Pharmacy	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	97.67	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			99.53	3	0.6	100	3	2.4	3

**PROGRAM: B. PHARMACY/SECOND YEAR/ I SEMESTER**

**1.PHARMACEUTICAL ORGANIC CHEMISTRY-II (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C211	Pharmaceutical Organic Chemistry-II	CO1	24.39	0	0	89.7	3	2.4	2.4
		CO2	60.97	1	0.2	89.7	3	2.4	2.6
		CO3	65.85	1	0.2	89.7	3	2.4	2.6
		CO4	61	1	0.2	89.7	3	2.4	2.6
		CO5	65.85	1	0.2	89.7	3	2.4	2.6
Overall CO attainment			55.61	0.8	0.16	89.7	3	2.4	2.56

**2.PHYSICAL PHARMACEUTICS-I (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C212	Physical pharmaceuticals	CO1	7.31	1	0.2	92.3	3	2.4	2.6
		CO2	24.3	1	0.2	92.3	3	2.4	2.6
		CO3	2.04	1	0.2	92.3	3	2.4	2.6
		CO4	41.46	1	0.2	92.3	3	2.4	2.6
		CO5	56.09	1	0.2	92.3	3	2.4	2.6
Overall CO attainment			26.24	1	0.2	92.3	3	2.4	2.6



### 3.PHARMACEUTICAL MICROBIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C213S EC-B	Pharmaceutical microbiology	CO1	61	1	0.2	95	3	2.4	2.6
		CO2	49	0	0	95	3	2.4	2.4
		CO3	39	0	0	95	3	2.4	2.4
		CO4	51	0	0	95	3	2.4	2.4
		CO5	22	0	0	95	3	2.4	2.4
Overall CO attainment			44.4	0.2	0.04	95	3	2.4	2.44

### 4.PHARMACEUTICAL ENGINEERING (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C214	Pharmaceutical engineering	CO1	20.93	0	0	90	3	2.4	2.4
		CO2	27.9	0	0	90	3	2.4	2.4
		CO3	74.41	2	0.4	90	3	2.4	2.8
		CO4	41.86	0	0	90	3	2.4	2.4
		CO5	25.58	0	0	90	3	2.4	2.4
Overall CO attainment			38.13	0.4	0.08	90	3	2.4	2.48

### 5. PHARMACEUTICAL ORGANIC CHEMISTRY-II (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C215	Pharmaceutical Organic Chemistry-II	CO1	0.00	0	0	100	3	2.4	2.4
		CO2	82.92	3	0.6	100	3	2.4	3
		CO3	75.60	2	0.4	100	3	2.4	2.6
		CO4	97.56	3	0.6	100	3	2.4	3
		CO5	97.56	3	0.6	100	3	2.4	3
Overall CO attainment			70.72	2.2	0.44	100	3	2.4	2.8

### 6. PHYSICAL PHARMACEUTICS-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C216	Physical Pharmaceutics Lab	CO1	82.92	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	95.12	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 7.PHARMACEUTICAL MICROBIOLOGY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C217/ R17 SEC-B	Ph. Microbiology Lab	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 8.PHARMACEUTICAL ENGINEERING (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C218	Pharmaceutical engineering	CO1	97.61	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			99.52	3	06	100	3	2.4	3

**PROGRAM: B. PHARMACY/SECOND YEAR/ II SEMESTER**

**1.PHARMACEUTICAL ORGANIC CHEMISTRY-III (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C 22 1	Pharmaceutical Organic Chemistry-III Sec A	CO1	97.30	3	0.6	91.8	3	2.4	3
		CO2	97.30	3	0.6	91.8	3	2.4	3
		CO3	86.84	3	0.6	91.8	3	2.4	3
		CO4	13.10	0	0	91.8	3	2.4	2.4
		CO5	36.84	0	0	91.8	3	2.4	2.4
<b>Overall CO attainment</b>			66.27	0.6	0.36	91.8	3	2.4	<b>2.76</b>

**2.PHARMACEUTICAL ORGANIC CHEMISTRY-III (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C22 2	Pharmaceutical Organic Chemistry-III Sec B	CO1	100.00	3	0.6	82.5	3	2.4	3
		CO2	100.00	3	0.6	82.5	3	2.4	3
		CO3	65.85	1	0.2	82.5	3	2.4	2.6
		CO4	7.31	0	0	82.5	3	2.4	2.4
		CO5	46.34	0	0	82.5	3	2.4	2.4
<b>Overall CO attainment</b>			63.9	1.4	0.28	82.5	3	2.4	<b>2.68</b>

### 3.MEDICINAL CHEMISTRY-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C222	Medicinal chemistry-I	CO1	50	0	0	88	3	2.4	2.4
		CO2	62.17	1	2	88	3	2.4	4.4
		CO3	51.35	0	0	88	3	2.4	2.4
		CO4	70.27	2	0.4	88	3	2.4	2.8
		CO5	45.94	0	0	88	3	2.4	2.4
Overall CO attainment			55.94	0.6	0.48	88	3	2.4	2.48

### 4.PHYSICAL PHARMACEUTICS-II(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C223	Physical Pharmaceutics II	CO1	95.1	3	0.6	85.3	3	2.4	3
		CO2	95.1	3	0.6	85.3	3	2.4	3
		CO3	51.2	0	0	85.3	3	2.4	2.4
		CO4	26.8	0	0	85.3	3	2.4	2.4
		CO5	29.2	0	0	85.3	3	2.4	2.4
Overall CO attainment			59.48	1.2	0.24	85.3	3	2.4	2.64

### 5. PHARMACOLOGY-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C224	Pharmacology- I	CO1	100.00	3	0.6	75.61	2	1.6	2.2
		CO2	100.00	3	0.6	75.61	2	1.6	2.2
		CO3	100.00	3	0.6	75.61	2	1.6	2.2
		CO4	31.70	0	0	75.61	2	1.6	1.6
		CO5	36.58	0	0	75.61	2	1.6	1.6
Overall CO attainment			73.66	1.8	0.36	75.61	2	1.6	1.96

### 6. PHARMACOGNOSY AND PHYTOCHEMISTRY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C225	Pharmacognosy and Phytochemistry I	CO1	93.02	3	0.6	90.69	3	2.4	3
		CO2	93.02	3	0.6	90.69	3	2.4	3
		CO3	93.02	3	0.6	90.69	3	2.4	3
		CO4	58.13	0	0	90.69	3	2.4	2.4
		CO5	23.25	0	0	90.69	3	2.4	2.4
Overall CO attainment			72.088	1.8	0.36	90.69	3	2.4	2.76

### 7.MEDICINAL CHEMISTRY-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C226	Pharmacology- I	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	92.00	3	0.6	100	3	2.4	3
		CO3	71.00	2	0.4	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			92.6	2.8	0.6	100	3	2.4	3

### 8.PHYSICAL PHARMACEUTICS-II(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C227	Physical pharmacy-II	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 9.PHARMACOLOGY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C228	Pharmacology-I Lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			100.00	3	0.6	100	3	2.4	3

### 10.PHARMACOGNOSY AND PHYTOCHEMISTRY(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C229	Pharmacognosy and Phytochemistry I	CO1	100	3	0.6	95.34	3	2.4	3
		CO2	100	3	0.6	95.34	3	2.4	3
		CO3	97.67	3	0.6	95.34	3	2.4	3
		CO4	97.67	3	0.6	95.34	3	2.4	3
		CO5	97.67	3	0.6	95.34	3	2.4	3
Overall CO attainment			98.602	3	0.6	95.34	3	2.4	3



### 11.GENDER SENSITIZATION LAB

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C2210	Gender Sensitization Lab	CO1	92.68	3	0.6	100	3	2.4	3
		CO2	5.04	0	0	100	3	2.4	2.4
		CO3	92.68	3	0.6	100	3	2.4	3
		CO4	97.50	3	0.6	100	3	2.4	3
		CO5	2.76	0	0	100	3	2.4	2.4
Overall CO attainment			58.13	1.8	0.36	100	3	2.4	2.76

### PROGRAM: B. PHARMACY/THIRD YEAR/ ISEMESTER

#### 1.MEDICINAL CHEMISTRY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C311	Medicinal Chemistry-II	CO1	77	2	0.4	91.6	3	2.4	2.8
		CO2	19	0	0	91.6	3	2.4	2.4
		CO3	80	3	0.6	91.6	3	2.4	3
		CO4	2.7	0	0	91.6	3	2.4	2.4
		CO5	94	3	0.6	91.6	3	2.4	3
Overall CO attainment			54.54	8	1.6	91.6	3	2.4	2.72

## 2.INDUSTRIAL PHARMACY I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C312	Industrial Pharmacy	CO1	80	3	0.6	95	3	2.4	3
		CO2	12.5	0	0	95	3	2.4	2.4
		CO3	55	0	0	95	3	2.4	2.4
		CO4	20	0	0	95	3	2.4	2.4
		CO5	5	0	0	95	3	2.4	2.4
Overall CO attainment			34.5	0.6	0.12	95	3	2.4	2.52

## 3.PHARMACOLOGY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C313	Pharmacology- II	CO1	51.21	0	0	92.68	3	2.4	2.4
		CO2	39.02	0	0	92.68	3	2.4	2.4
		CO3	85.36	3	0.6	92.68	3	2.4	3
		CO4	39.02	0	0	92.68	3	2.4	2.4
		CO5	31.70	0	0	92.68	3	2.4	2.4
Overall CO attainment			49.26	0.6	0.12	92.68	3	2.4	2.52

#### 4.PHARMACOGNOSY AND PHYTOCHEMISTRY-II(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C314	pharmacognosy and Phytochemistry II	CO1	93.02	3	0.6	90.69	3	2.4	3
		CO2	93.02	3	0.6	90.69	3	2.4	3
		CO3	93.02	3	0.6	90.69	3	2.4	3
		CO4	58.13	0	0	90.69	3	2.4	2.4
		CO5	23.25	0	0	90.69	3	2.4	2.4
Overall CO attainment			72.088	1.8	0.36	90.69	3	2.4	2.76

#### 5.GENERIC PRODUCT DEVELOPMENT(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C315	Generic Product Development	CO1	24	0	0	90	3	2.4	2.4
		CO2	73	2	0.4	90	3	2.4	2.8
		CO3	76	2	0.4	90	3	2.4	2.8
		CO4	63	1	0.2	90	3	2.4	2.6
		CO5	17	0	0	90	3	2.4	2.4
Overall CO attainment			51	1	0.2	90	3	2.4	2.6

### 6.INDUSTRIAL PHARMACY-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C316	Industrial Pharmacy-I	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 7.PHARMACOLOGY-II (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C317	Pharmacology-II Lab	CO1	97.56	3	0.6	100	3	2.4	3
		CO2	97.56	3	0.6	100	3	2.4	3
		CO3	95.12	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	97.56	3	0.6	100	3	2.4	3
Overall CO attainment			97.56	3	0.6	100	3	2.4	3

### 8. PHARMACOGNOSY AND PHYTOCHEMISTRY-II(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C318	Pharmacognosy and Phytochemistry I	CO1	100	3	0.6	95.34	3	2.4	3
		CO2	100	3	0.6	95.34	3	2.4	3
		CO3	97.67	3	0.6	95.34	3	2.4	3
		CO4	97.67	3	0.6	95.34	3	2.4	3
		CO5	97.67	3	0.6	95.34	3	2.4	3
Overall CO attainment			98.602	3	0.6	95.34	3	2.4	3

### 9. ENVIRONMENTAL SCIENCES

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C319	Environmental Sciences	CO1	68	1	0.2	100	3	2.4	2.6
		CO2	47	0	0	100	3	2.4	2.4
		CO3	20	0	0	100	3	2.4	2.4
		CO4	76	2	0.4	100	3	2.4	2.8
		CO5	27	0	0	100	3	2.4	2.4
Overall CO attainment			47.6	0.6	0.12	100	3	2.4	2.52

**PROGRAM: B. PHARMACY/THIRD YEAR/ II SEMESTER**

**1.MEDICINAL CHEMISTRY-III(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C321	Medicinal Chemistry-III	CO1	53.6	0	0	70.8	2	2.4	2.4
		CO2	48.7	0	0	70.8	2	2.4	2.4
		CO3	95.1	3	0.6	70.8	2	2.4	3
		CO4	24.3	0	0	70.8	2	2.4	2.4
		CO5	26.8	0	0	70.8	2	2.4	2.4
Overall CO attainment			49.7	0	0	70.8	2	2.4	2.52

## 2.PHARMACOLOGY-III(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C322	Pharmacology-III	CO1	60.97	1	0.2	87.8	3	2.4	2.6
		CO2	24.39	0	0	87.8	3	2.4	2.4
		CO3	92.68	3	0.6	87.8	3	2.4	3
		CO4	29.26	0	0	87.8	3	2.4	2.4
		CO5	21.91	0	0	87.8	3	2.4	2.4
Overall CO attainment			45.84	3	0.6	87.8	3	2.4	2.56

## 3.HERBAL DRUG TECHNOLOGY(TEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C323	Herbal DrugTechnology	CO1	79	2	0.4	77.1	2	1.6	2.2
		CO2	26	0	0	77.1	2	1.6	2.2
		CO3	88	3	0.6	77.1	2	1.6	2.2
		CO4	12	0	0	77.1	2	1.6	2.2
		CO5	63	1	0.2	77.1	2	1.6	2.2
Overall CO attainment			53.6	1.2	0.24	77.1	2	1.6	2.2

#### 4. BIOPHARMACEUTICS AND PHARMACOKINETICS (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C324	Biopharmaceutics & Pharmacokinetics (Sec B)	CO1	92.68	3	0.6	87.5	3	2.4	3
		CO2	9.7	0	0	87.5	3	2.4	2.4
		CO3	82.92	3	0.6	87.5	3	2.4	3
		CO4	0	0	0	87.5	3	2.4	2.4
		CO5	21.95	0	0	87.5	3	2.4	2.4
Overall CO attainment			41.45	1.2	0.24	87.5	3	2.4	2.64

#### 5. PHARMACEUTICAL BIOTECHNOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C325/ R17 SEC-B	Pharmaceutical biotechnology	CO1	85	1	0.2	88	3	2.4	2.6
		CO2	30	0	0	88	3	2.4	2.4
		CO3	42	0	0	88	3	2.4	2.4
		CO4	16	0	0	88	3	2.4	2.4
		CO5	57	0	0	88	3	2.4	2.4
19Z Overall CO attainment			46	0.2	0.04	88	3	2.4	2.44



### 6.MEDICINAL CHEMISTRY-III(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C326	Medicinal Chemistry-III (L)	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	0	0	0	100	3	2.4	2.4
		CO5	100	3	0.6	100	3	3	2.4
Overall CO attainment			80	2.4	0.48	100	3	2.4	2.76

### 7.PHARMACOLOGY-III(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C327	Pharmacology- III lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			100.00	3	0.6	100	3	2.4	3

### 8.HERBAL DRUG TECHNOLOGY(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C328	Herbal Drug Technology Lab	CO1	93	3	0.6	94	3	2.4	3
		CO2	93	3	0.6	94	3	2.4	3
		CO3	93	3	0.6	94	3	2.4	3
		CO4	93	3	0.6	94	3	2.4	3
		CO5	93	3	0.6	94	3	2.4	3
Overall CO attainment			93	3	0.6	94	3	2.4	3

### 9.HUMAN VALUES AND PROFESSIONAL ETHICS

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C329/R17	Human values and professional Ethics	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	1.4

**PROGRAM: B. PHARMACY/FINAL YEAR/ I SEMESTER**

**1.INSTRUMENTAL METHODS OF ANALYSIS(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C411/R17	Instrumental Method of Analysis	CO1	67.56	1	0.2	86.48	3	2.4	2.6
		CO2	18.91	0	0	86.48	3	2.4	2.4
		CO3	0	0	0	86.48	3	2.4	2.4
		CO4	70.2	2	0.4	86.48	3	2.4	2.8
		CO5	0	0	0	86.48	3	2.4	2.4
Overall CO attainment			31.33	0.6	0.12	86.48	3	2.4	2.52

**2.INDUSRIAL PHARMACY-II(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C412	Industrial Pharmacy-II	CO1	78.04	2	0.2	97.5	3	2.4	2.6
		CO2	0	0	0	97.5	3	2.4	2.4
		CO3	0	0	0	97.5	3	2.4	2.4
		CO4	51.21	0	0	97.5	3	2.4	2.4
		CO5	36.5	0	0	97.5	3	2.4	2.4
Overall CO attainment			33.15	0.4	0.04	97.5	3	2.4	2.44

### 3.PHARMACY PRACTICE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C413	Pharmacy Practise	CO1	81	3	0.6	78	2	1.6	2.2
		CO2	25	0	0	78	2	1.6	1.6
		CO3	27	0	0	78	2	1.6	1.6
		CO4	44	0	0	78	2	1.6	1.6
		CO5	83	3	0.6	78	2	1.6	2.2
Overall CO attainment			52	1.2	0.24	78	2	1.6	1.84

### 4.NOVEL DRUG DELIVERY SYSTEMS(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C414	Novel Drug Delivery Systems	CO1	66	1	0.2	80	3	2.4	2.6
		CO2	17	0	0	80	3	2.4	2.4
		CO3	85	3	0.6	80	3	2.4	3
		CO4	93	3	0.6	80	3	2.4	3
		CO5	17	0	0	80	3	2.4	2.4
Overall CO attainment			55.6	1.4	0.7	80	3	2.4	2.68

### 5.PHAMACOVIGILANCE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C415	Pharmacovigilance	CO1	91	3	0.6	90	3	2.4	3
		CO2	24	0	0	90	3	2.4	2.4
		CO3	100	3	0.6	90	3	2.4	3
		CO4	39	0	0	90	3	2.4	2.4
		CO5	24	0	0	90	3	2.4	2.4
Overall CO attainment			55.6	1.2	0.24	90	3	2.4	2.64

### 6.INSTRUMENTAL METHODS OF ANALYSIS(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C416	IMA (L)	CO1	100	3	0.6	100	3	2.4	3
		CO2	97.5	3	0.6	100	3	2.4	3
		CO3	97.5	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			99	3	0.6	100	3	2.4	3

**PROGRAM: B. PHARMACY/FINAL YEAR/ IISEMESTER**

**1.BIOSTATISTICS AND RESEARCH METHODOLOGY**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) <b>A + B</b>
			CO Attainment (%)	CO Attainment level (a)	<b>A -</b> Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	<b>B -</b> University Examinations attainment level (0.80*b)	
C421	Biostatistics and research methodology	CO1	75.6	2	0.4	97.56	3	2.4	2.8
		CO2	2.4	0	0	97.56	3	2.4	2.4
		CO3	100.0	3	0.6	97.56	3	2.4	3
		CO4	56.1	0	0	97.56	3	2.4	2.4
		CO5	24.4	0	0	97.56	3	2.4	2.4
<b>Overall CO attainment</b>			51.7	1.0	0.2	97.6	3.0	2.4	2.6

## 2. SOCIAL AND PREVENTIVE PHARMACY(THEORY)


Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) <b>A + B</b>
			CO Attainment (%)	CO Attainment level (a)	<b>A-</b> Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	<b>B-</b> University Examinations attainment level (0.80*b)	
C413	SOCIAL AND PREVENTIVE PHARMACY	CO1	91	3	0.6	100	3	2.4	3
		CO2	24	0	0	100	3	2.4	2.4
		CO3	100	3	0.6	100	3	2.4	3
		CO4	39	0	0	100	3	2.4	2.4
		CO5	24	0	0	100	3	2.4	2.4
<b>Overall CO attainment</b>			<b>55.6</b>	<b>1.2</b>	<b>0.24</b>	<b>100</b>	<b>3</b>	<b>2.4</b>	<b>2.64</b>

### 3.PHARMACUTICAL JURISPRUDENCE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A- Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B- University Examinations attainment level (0.80*b)	
C423	P. JURISPRUDENCE	CO1	2.4	0	0	78.04	2	1.6	1.6
		CO2	7.3	0	0	78.04	2	1.6	1.6
		CO3	17.1	0	0	78.04	2	1.6	1.6
		CO4	29.3	0	0	78.04	2	1.6	1.6
		CO5	17.1	0	0	78.04	2	1.6	1.6
Overall CO attainment			14.6	0.0	0.0	78.0	2.0	1.6	1.6

### 4.NANO TECHNOLOGY(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A- Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B- University Examinations attainment level (0.80*b)	
C424	Nano technology	CO1	36.5	0	0	95.1	3	2.4	2.4
		CO2	36.5	0	0	95.1	3	2.4	2.4
		CO3	87.8	3	0.6	95.1	3	2.4	3
		CO4	12.1	0	0	95.1	3	2.4	2.4
		CO5	75.6	2	0.4	95.1	3	2.4	2.8
Overall CO attainment			49.7	1	0.2	95.1	3	2.4	2.6

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cherial(V), Keerthi(N), Medchal, Dist. T.S.-501503.



# Geethanjali College of Pharmacy

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Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

**Table 3: DIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES**

## B. PHARMACY

## REGULATION R17 / BATCH (2019-2023)

PROGRAMME: B. PHARMACY														
Year/Se m	Course Name	Course Code	Overall CO attainmen t I(A)	(A*B) of courses										
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
I/I	Human Anatomy and Physiology I	C111	2.6	7.8	2.6	7.8	5.2	2.6	7.8	7.8	5.2	5.2	5.2	7.8
I/I	Pharmaceutical Analysis I	C112	2.48	7.44	2.48	7.44	4.96	2.48	7.44	2.48	2.48	4.96	4.96	7.44
I/I	Pharmaceutics I	C113	2.60	7.80	5.20	5.72	5.72	5.20	7.80	7.80	5.20	7.28	5.72	7.80
I/I	Pharmaceutical Inorganic Chemistry I	C114	2.76	8.28	0	7.728	5.52	0	8.28	8.28	0	8.28	8.28	8.28
I/I	Communication skills	C115	2.2	4.4	4.4	6.6	4.4	6.6	6.6	4.4	6.6	4.4	4.4	6.6
I/I	Remedial Biology	C116	0.44	1.32	0	1.32	0.88	0	1.32	1.32	0	1.32	0.88	1.32
I/I	Remedial Mathematics	C117	1.62	0	0	4.86	3.24	0	0	0	0	4.86	0	4.86
I/I	Human Anatomy and Physiology-I lab	C118	3	9	0	9	6	0	9	9	6	6	6	9
I/I	Pharmaceutical Analysis-I lab	C119	2.94	8.82	0.00	8.23	5.29	0	8.82	8.82	8.82	8.23	5.88	8.82
I/I	Pharmaceutics I lab	C1110	2.82	8.46	5.64	5.64	5.64	5.64	8.46	8.46	5.64	7.89 6	5.64	8.46

I/I	Pharmaceutical Inorganic Chemistry-I lab	C1111	2.72	8.16	0	8.16	5.44	0	8.16	8.16	0	8.16	8.16	8.16
I/I	Communication skills lab	C1112	2.94	0	5.88	8.82	5.88	8.82	8.82	5.88	8.82	5.88	5.88	8.82
I/I	Remedial Biology lab	C1113	2.88	8.64	0	8.64	5.76	0	8.64	8.64	2.88	8.64	5.76	8.64
I/II	Human Anatomy and Physiology- II	C121	2.8	8.4	2.8	8.4	5.6	2.8	8.4	8.4	5.6	5.6	5.6	8.4
I/II	Pharmaceutical Organic Chemistry- I	C122	2.8	8.4	0	7.84	5.6	0	8.4	8.4	0	7.84	5.6	8.4
I/II	Biochemistry	C123	3	9	0	6	6	0	9	9	3	6	6	9
I/II	Pathophysiology	C124	1.8	5.4	1.8	5.4	3.6	3.6	5.4	5.4	3.6	3.6	3.6	5.4
I/II	Computer Applications in Pharmacy	C125	2.2	6.6	0	6.6	4.4	0	4.4	4.4	0	4.4	4.4	4.4
I/II	Human Anatomy and Physiology- II lab	C126	3	9	0	9	6	0	9	9	6	6	6	9
I/II	Pharmaceutical Organic Chemistry -I lab	C127	2.92	8.76	0	8.18	5.84	0	8.76	8.76	0	8.18	5.84	8.76
I/II	Biochemistry lab	C128	3	9	0	9	6	0	9	9	3	9	6	9
I/II	Computer Applications in Pharmacy lab	C129	3	9	0	9	6	0	3	0	0	6	0	9
II/I	Pharmaceutical Organic Chemistry- II	C211	2.78	8.34	0	8.34	5.56	0	8.34	8.34	0	8.34	5.56	8.34
II/I	Physical Pharmaceutics-I	C212	2.6	7.8	0	7.8	5.2	0	7.8	7.8	0	7.8	5.2	7.8
II/I	Pharmaceutical Microbiology	C213	2.54	7.62	2.54	7.62	6.604	2.54	7.62	7.62	2.54	7.62	6.604	7.62
II/I	Pharmaceutical Engineering	C214	2.5	7.5	5	5	5	2.5	7.5	7.5	2.5	5	5	7.5
II/I	Pharmaceutical Organic Chemistry-II Lab	C215	2.9	8.7	0	8.7	5.8	0	8.7	8.7	0	8.7	5.8	8.7
II/I	Physical Pharmaceutics-I Lab	C216	3	9	6	6	6	6	9	9	6	6	6	9
II/I	Pharmaceutical Microbiology Lab	C217	3	9	3	9	9	3	9	9	3	9	9	9
II/I	Pharmaceutical Engineering Lab	C218	3	9	6	9	6	3	9	9	3	9	6	9
II/II	Pharmaceutical Organic Chemistry-III	C221	2.78	8.34	0	5.56	5.56	0	8.34	8.34	2.78	5.56	5.56	8.34
II/II	Medicinal Chemistry-I	C222	2.24	6.72	0	6.72	4.48	0	6.72	6.72	0	6.72	4.48	6.72
II/II	Physical Pharmaceutics-II	C223	2.76	8.28	0	8.28	5.52	0	8.28	8.28	0	8.28	5.52	8.28
II/II	Pharmacology-I	C224	1.56	4.68	1.56	3.74	3.43	3.12	4.68	3.12	3.43	4.37	2.50	4.68
II/II	Pharmacognosy and Phytochemistry-I	C225	2.64	7.92	0	7.39	5.28	0	7.92	7.92	0	7.92	5.28	7.92
II/II	Medicinal Chemistry-I Lab	C226	3	9	0	9	6	0	9	9	0	9	6	9
II/II	Physical Pharmaceutics-II Lab	C227	3	8.4	6	9	7.2	6	8.4	8.4	6	7.2	7.2	9
II/II	Pharmacology-I Lab	C228	3	9	3	7.2	6	3	9	9	3	9	7.2	9



IV/I	Industrial Training	C418		0	0	0	0	0	0	0	0	0	0	0	
IV/II	Biostatistics & Research Methodology	C421	2.62	0	0	7.86	7.86	0	0	0	0	7.86	0	7.86	
IV/II	Social and Preventive Pharmacy	C422	2.56	7.68	0	7.17	6.14	0	7.68	7.68	0	7.68	6.14	7.68	
IV/II	Pharmaceutical Jurisprudence	C423	2.12	6.36	4.24	4.66	4.66	2.12	6.36	6.36	4.24	5.94	4.66	6.36	
IV/II	Nano Technology	C424	2.64	7.92	5.28	5.81	5.81	5.28	7.92	7.92	5.28	5.28	5.81	7.92	
IV/II	Project	C425		0	0	0	0	0	0	0	0	0	0	0	
<b>Average of {(A*B) of all courses}</b>					7.04	1.95	6.81	5.53	1.84	7.09	6.92	2.72	6.61	5.30	7.33
<b>Average correlation values of CO-PO matrix (B) of all courses</b>					2.83	0.82	2.75	2.24	0.82	2.85	2.77	1.15	2.68	2.15	2.95
<b>DIRECT ATTAINMENT</b>					2.49	2.38	2.48	2.47	2.25	2.49	2.50	2.37	2.47	2.47	2.48
<b>DIRECT ATTAINMENT (80%)</b>					1.99	1.90	1.98	1.98	1.80	1.99	2.00	1.89	1.97	1.97	1.99

  
Principal

PRINCIPAL  
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Cheeryal (V), Keesara (M), Medchal Dist., (T.S)-501301.

# Geethanjali College of Pharmacy

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Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

**Table 4: INDIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES**

**B. PHARMACY**

**REGULATION R17 / BATCH (2019-2023)**

PROGRAMME: B. PHARMACY - 19Z BATCH (2019-2023)														
Batch	Total Students	Survey Details	Total No of Surveys	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
2019-23	84	PES	67	67	67	67	67	67	67	67	67	67	67	67
Indirect attainment level				2.01	1.8	1.88	1.77	1.9	1.9	2.08	2.02	1.92	1.89	1.94
2019-23	84	AS	60	60	60	60	60	60	60	60	60	60	60	60
Indirect attainment level				2.33	2	2.2	2.08	2.23	2.25	2.03	2.3	2.15	2.15	2.18
2019-23	84	ES	3	3	3	3	3	3	3	3	3	3	3	3
Indirect attainment level				2.66	1.66	1.33	1.66	0.66	1.66	2	1	0.6	0.6	0

  
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**Table 5: OVERALL PO ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES**

**B. PHARMACY REGULATION R17 / BATCH (2019-2023)**

PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
DIRECT ATTAINMENT (80%)	1.99	1.90	1.98	1.98	1.80	1.99	2.00	1.89	1.97	1.97	1.99
PROG EXIT SURVEY (10%)	0.20	0.18	0.18	0.17	0.19	0.19	0.20	0.20	0.19	0.18	0.19
EMPLOYER SURVEY (05%)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
ALUMNI SURVEY (05%)	0.11	0.1	0.11	0.1	0.11	0.11	0.1	0.11	0.1	0.1	0.1
OVERALL PO ATTAINMENT	2.45	2.33	2.42	2.40	2.25	2.44	2.45	2.35	2.41	2.40	2.43

  
HOD/PROGRAMME COORDINATOR

  
Principal

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**Table 6: EVALUATION OF ATTAINMENT OF PO'S OF ALL COURSES**

## B. PHARMACY REGULATION R17 / BATCH (2019-23)

PO	ELOA	ALOA
PO1	3	2.45
PO2	3	2.33
PO3	3	2.42
PO4	3	2.39
PO5	3	2.24
PO6	3	2.44
PO7	3	2.44
PO8	3	2.35
PO9	3	2.41
PO10	3	2.40
PO11	3	2.42

  
HOOD/ PROGRAMME COORDINATOR

  
Principal

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# GEETHANJALI COLLEGE OF PHARMACY

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& ISO 9001:2015 Certified, AMC of PvPI.  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## CONSOLIDATED YEAR WISE OVER ALL CO-PO ATTAINMENT REPORT BATCH (2019-2023)

YEAR	SEM	COURSE CODE	NAME OF THE COURSE	CO ATTAINMENT
<b>PROGRAMME B.PHARMACY I YEAR I SEMESTER</b>				
I	I	C111/R17	Human Anatomy and Physiology-I	2.6
I	I	C112/R17	Pharmaceutical Analysis-I	2.48
I	I	C113/R17	Pharmaceutics	2.6
I	I	C114/R17	Ph. Inorganic Chemistry	2.56
I	I	C115/R17	Communication Skills	2.2
I	I	C116/R17	Remedial Biology	0.44
I	I	C117/R17	Remedial Mathematics	1.62
I	I	C118/R17	Human Anatomy and Physiology-I Lab	3
I	I	C119/R17	Pharmaceutical Analysis-I Lab	2.94
I	I	C1110/R17	Pharmaceutics Lab	3
I	I	C1111/R17	Ph. Inorganic Chemistry Lab	2.72
I	I	C1112/R17	Communication Skills Lab	2.94
I	I	C1113/R17	Remedial Biology Lab	1.44
<b>PROGRAMME B.PHARMACY I YEAR II SEMESTER</b>				
I	II	C121/R17	Human Anatomy and Physiology-II	2.8
I	II	C122/R17	Ph. Organic Chemistry-I	2.8
I	II	C123/R17	Bio Chemistry	2.6
I	II	C124/R17	Patho Physiology	1.8
I	II	C125/R17	Computer Applications in Pharmacy	2.2
I	II	C126/R17	Human Anatomy and Physiology-II Lab	3
I	II	C127/R17	Ph. Organic Chemistry-I Lab	2.84
I	II	C128/R17	Bio Chemistry Lab	3
I	II	C129/R17	Computer Applications in Pharmacy Lab	3
<b>PROGRAMME B.PHARMACY II YEAR I SEMESTER</b>				
II	I	C211/R17	Ph. Organic Chemistry-II	2.56
II	I	C212/R17	Physical Pharmacy-I	2.6
II	I	C213/R17	Ph. Microbiology	2.54
II	I	C214/R17	Ph. Engineering	2.5
II	I	C215/R17	Ph. Organic Chemistry-II Lab	2.8
II	I	C216/R17	Physical Pharmacy-I Lab	3
II	I	C217/R17	Ph. Microbiology Lab	3
II	I	C218/R17	Ph. Engineering Lab	3



YEAR	SEM	COURSE CODE	NAME OF THE COURSE	CO ATTAINMENT
<b>PROGRAMME B. PHARMACY II YEAR II SEMESTER</b>				
II	II	C221/R17	Ph. Organic Chemistry-III	2.72
II	II	C222/R17	Medicinal Chemistry-I	2.24
II	II	C223/R17	Physical Pharmacy-II	2.76
II	II	C224/R17	Pharmacology-I	1.56
II	II	C225/R17	Pharmacognosy and Phytochemistry-I	2.64
II	II	C226/R17	Medicinal Chemistry-I Lab	3
II	II	C227/R17	Physical Pharmacy-II Lab	3
II	II	C228/R17	Pharmacology-I Lab	3
II	II	C229/R17	Pharmacognosy and Phytochemistry-I Lab	3
II	II	C2210/R17	Gender Sensitization	2.7
<b>PROGRAMME B. PHARMACY III YEAR I SEMESTER</b>				
III	I	C311/R17	Medicinal Chemistry-II	1.86
III	I	C312/R17	Industrial Pharmacy-I	2.54
III	I	C313/R17	Pharmacology-II	2.37
III	I	C314/R17	Pharmacognosy and Phytochemistry-II	1.18
III	I	C315/R17	Generic Product Development	2.52
III	I	C316/R17	Industrial Pharmacy-I Lab	3
III	I	C317/R17	Pharmacology-II Lab	2.94
III	I	C318/R17	Pharmacognosy and Phytochemistry-II Lab	3
III	I	C319/R17	Environmental Sciences	2.56
<b>PROGRAMME B. PHARMACY III YEAR II SEMESTER</b>				
III	II	C321/R17	Medicinal Chemistry-III	2.64
III	II	C322/R17	Pharmacology-III	2.64
III	II	C323/R17	Herbal Drug Technology	2.4
III	II	C324/R17	Biopharmaceutics and Pharmacokinetics	2.56
III	II	C325/R17	Ph. Biotechnology	2.16
III	II	C326/R17	Medicinal Chemistry-III Lab	2.88
III	II	C327/R17	Pharmacology-III Lab	2.94
III	II	C328/R17	Herbal Drug Technology Lab	3
III	II	C329/R17	Human Values and Professional Ethics	1.4
<b>PROGRAMME B. PHARMACY IV YEAR I SEMESTER</b>				
IV	I	C411/R17	Instrumental Methods of Analysis	2.5
IV	I	C412/R17	Industrial Pharmacy-II	2.52
IV	I	C413/R17	Pharmacy Practice	1.9
IV	I	C414/R17	Novel Drug Delivery Systems	2.64
IV	I	C415/R17	Pharmacovigilance	2.66
IV	I	C416/R17	Instrumental Methods of Analysis Lab	3
IV	I	C417/R17	Practice School	3
IV	I	C418/R17	Industrial Training	3

YEAR	SEM	COURSE CODE	NAME OF THE COURSE	CO ATTAINMENT
<b>PROGRAMME B.PHARMACY IV YEAR II SEMESTER</b>				
IV	II	C421/R17	Biostatistics and Research Methodology	2.62
IV	II	C422/R17	Social and Preventive Pharmacy	2.56
IV	II	C423/R17	Ph. Jurisprudence	2.58
IV	II	C424/R17	Nano Technology	2.64
IV	II	C425/R17	Project	3

*R. N. Disha*  
BATCH INCHARGE

*[Signature]*  
PROGRAMME COORDINATOR

*[Signature]*  
PRINCIPAL

**PRINCIPAL**  
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### 13. 19Z CONSOLIDATED CO-ATTAINMENT REPORT

**Note:** 80% weightage to University examination and 20% weightage to Internal exams the attainment calculations will be (80% of University level) + (20% of Internal level).

#### CO Attainment based on internal exam (CI)

% students >=bench mark (50%)	Attainment level
60	1
70	2
80	3

#### CO Attainment based on University exam (CU)

% students >=bench mark (40%)	Attainment level
60	1
70	2
80	3

### BATCH (2019-2023) REGULATION R17 (SEC-A)

#### PROGRAM: B. PHARMACY/FIRST YEAR/ I SEMESTER

#### 1.HUMAN ANATOMY AND PHYSIOLOGY – I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C111	Human anatomy and physiology-I(theory)	CO1	73.17	1	0.2	95.12	3	2.4	2.6
		CO2	60.97	1	0.2	95.12	3	2.4	2.6
		CO3	97.50	3	0.6	95.12	3	2.4	3
		CO4	70.70	2	0.2	95.12	3	2.4	2.6
		CO5	36.50	0	0	95.12	3	2.4	2.4
Overall co attainment			67.77	3	0.6	87.8	3	2.4	2.64

## 2.PHARMACEUTICAL ANALYSIS-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C112	Pharmaceutical Analysis	CO1	78	2	0.4	78	2	1.6	2
		CO2	75.6	2	0.4	78	2	1.6	2
		CO3	70.7	2	0.4	78	2	1.6	2
		CO4	90.2	3	0.6	78	2	1.6	2.2
		CO5	82.9	3	0.6	78	2	1.6	2.2
Overall CO attainment			79.4	2.4	0.48	78	2	1.6	2.08

## 3.PHARMACEUTICS -I(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C113	Pharmaceutics-I	CO1	90.00	3	0.6	87.5	3	2.4	3
		CO2	0.00	0	0	87.5	3	2.4	2.4
		CO3	52.50	0	0	87.5	3	2.4	2.4
		CO4	55.00	0	0	87.5	3	2.4	2.4
		CO5	25.00	0	0	87.5	3	2.4	2.4
Overall attainment			44.4	0.6	0.12	87.5	3	2.4	2.52

#### 4. PHARMACEUTICAL INORGANIC CHEMISTRY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C114	Pharmaceutical inorganic chemistry	CO1	78.04	2	0.4	80	3	2.4	2.8
		CO2	36.58	0	0	80	3	2.4	2.4
		CO3	58.53	1	0.2	80	3	2.4	2.6
		CO4	19.51	0	0	80	3	2.4	2.4
		CO5	39.02	0	0	80	3	2.4	2.4
Overall CO attainment			46.34	0.6	0.12	80	3	2.4	2.52

#### 5. COMMUNICATION SKILLS (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C115	communication skills	CO1	68.00	1	0.2	72.9	2	1.6	1.8
		CO2	72.00	2	0.4	72.9	2	1.6	2.0
		CO3	42.00	0	0	72.9	2	1.6	1.6
		CO4	52.00	0	0	72.9	2	1.6	1.6
		CO5	62.00	1	0.2	72.9	2	1.6	1.8
Overall CO attainment				0.8	0.16	72.9	2	1.6	1.76

## 6. REMEDIAL BIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C116	Remedial Biology	CO1	66.67	1	0.2	60	1	0.8	1
		CO2	53.33	0	0	60	1	0.8	0.8
		CO3	45.00	0	0	60	1	0.8	0.8
		CO4	45.00	0	0	60	1	0.8	0.8
		CO5	90.00	3	0.6	60	1	0.8	1
Overall CO attainment			60	0.8	0.16	60	1	0.8	0.88

## 7. REMEDIAL MATHEMATICS

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C117	Remedial Maths	CO1	38.00	0	0	73.8	2	1.6	1.6
		CO2	64.20	1	0.2	73.8	2	1.6	1.8
		CO3	21.40	0	0	73.8	2	1.6	1.6
		CO4	42.80	0	0	73.8	2	1.6	1.6
		CO5	7.14	0	0	73.8	2	1.6	1.6
Overall CO attainment			34.70	0.2	0.05	73.8	2	1.6	1.64

### 8.HUMAN ANATOMY AND PHYSIOLOGY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C118	Human Anatomy and physiology	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	3	100	3	2.4	3

### 9.PHARMACEUTICAL ANALYSIS-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C119	Pharmaceutical Analysis	CO1	74	2	0.4	100	3	2.4	2.8
		CO2	82	3	0.6	100	3	2.4	3
		CO3	69	1	0.2	100	3	2.4	2.6
		CO4	89	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			82.8	2.4	0.48	100	3	2.4	2.88

### 10. PHARMACEUTICS-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1110	pharmaceutics I lab	CO1	95.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	85.00	3	0.6	100	3	2.4	3
		CO4	97.00	3	0.6	100	3	2.4	3
		CO5	97.00	3	0.6	100	3	2.4	3
Overall CO attainment			94.8	3	0.6	100	3	2.4	3

### 11. PHARMACEUTICAL INORGANIC CHEMISTRY-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1111	Pharmaceutical inorganic chemistry lab	CO1	82.50	3	0.6	80	3	2.4	3
		CO2	80.00	3	0.6	80	3	2.4	3
		CO3	0.00	0	0	80	3	2.4	2.7
		CO4	70.00	2	0.4	80	3	2.4	3
		CO5	82.50	3	0.6	80	3	2.4	3
Overall CO attainment			63	2.2	0.44	80	3	2.4	2.84



### 12.COMMUNICATION SKILLS (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1112	Communication Skills Lab Sec A	CO1	71.00	2	0.4	100	3	2.4	2.8
		CO2	92.00	3	0.6	100	3	2.4	3
		CO3	85.00	3	0.6	100	3	2.4	3
		CO4	92.00	3	0.6	100	3	2.4	3
		CO5	76.00	2	0.4	100	3	2.4	2.8
Overall CO attainment			83.2	2.6	0.52	100	3	2.4	2.92

### 13.REMEDIAL BIOLOGY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C1113	Remedial Biology Lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	0.00	0	0	100	3	2.4	2.4
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			80	2.4	0.48	100	3	2.4	2.88

**PROGRAM: B. PHARMACY/FIRST YEAR/ II SEMESTER**

**1.HUMAN ANATOMY AND PHYSIOLOGY-II (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C121	Human Anatomy Physiology-II (Theory)	CO1	100	3	0.6	80	3	2.4	2.6
		CO2	100	3	0.6	80	3	2.4	2.6
		CO3	100	3	0.6	80	3	2.4	2.6
		CO4	100	3	0.6	80	3	2.4	2.6
		CO5	100	3	0.6	80	3	2.4	2.6
Overall CO attainment			100	3	0.6	80	3	2.4	2.6

**2.PHARMACEUTICAL ORGANIC CHEMISTRY-II(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C121	Pharmaceutical Organic Chemistry-I	CO1	100	3	0.6	80	3	2.4	2.6
		CO2	100	3	0.6	80	3	2.4	2.6
		CO3	100	3	0.6	80	3	2.4	2.6
		CO4	100	3	0.6	80	3	2.4	2.6
		CO5	100	3	0.6	80	3	2.4	2.6
Overall CO attainment			100	3	0.6	80	3	2.4	2.6

### 3.BIOCHEMISTRY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C123/R17	Bio Chemistry	CO1	97.7	3	0.6	93.1	3	2.4	3
		CO2	97.7	3	0.6	93.1	3	2.4	3
		CO3	95.4	3	0.6	93.1	3	2.4	3
		CO4	93.1	3	0.6	93.1	3	2.4	3
		CO5	93.1	3	0.6	93.1	3	2.4	3
Overall CO attainment			95.4	3	0.6	93.1	3	2.4	3

### 4.PATHO PHYSIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C124	Pathophysiology (SEC-A)	CO1	100	3	0.6	66.66	1	0.8	1.4
		CO2	100	3	0.6	66.66	1	0.8	1.4
		CO3	100	3	0.6	66.66	1	0.8	1.4
		CO4	100	3	0.6	66.66	1	0.8	1.4
		CO5	100	3	0.6	66.66	1	0.8	1.4
Overall CO attainment			100	3	0.6	66.66	1	0.8	1.4

### 5.COMPUTER APPLICATIONS IN PHARMACY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C125	Computer Applications in Pharmacy Sec A	CO1	100	3	0.6	69.23	1	0.8	1.4
		CO2	100	3	0.6	69.23	1	0.8	1.4
		CO3	100	3	0.6	69.23	1	0.8	1.4
		CO4	100	3	0.6	69.23	1	0.8	1.4
		CO5	100	3	0.6	69.23	1	0.8	1.4
Overall CO attainment			100	3	0.6	69.23	1	0.8	1.4

### 6.HUMAN ANATOMY AND PHYSIOLOGY-II (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C126	Human Anatomy Physiology - II Lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	86.84	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			97.36	3	0.6	100	3	2.4	3

### 7. PHARMACEUTICAL ORGANIC CHEMISTRY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C127	Pharmaceutical Organic Chemistry-I	CO1	98.00	3	0.6	80	3	2.4	3
		CO2	0.00	0	0.6	80	3	2.4	3
		CO3	100.00	3	0	80	3	2.4	2.7
		CO4	100.00	3	0.4	80	3	2.4	3
		CO5	100.00	3	0.6	80	3	2.4	3
Overall CO attainment			79.6	2.4	0.44	80	3	2.4	2.84

### 8. BIOCHEMISTRY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C128	Biochemistry (Lab)	CO1	87	3	0.6	100	3	2.4	3
		CO2	92	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	97	3	0.6	100	3	2.4	3
		CO5	95	3	0.6	100	3	2.4	3
Overall CO attainment			94.2	3	0.6	100	3	2.4	3

### 10.COMPUTER APPLICATIONS IN PHARMACY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C129/R17	Computer Applications in Pharmacy	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	97.67	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			99.53	3	0.6	100	3	2.4	3

### PROGRAM: B. PHARMACY/SECOND YEAR/ I SEMESTER

#### 1.PHARMACEUTICAL ORGANIC CHEMISTRY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C211	Pharmaceutical Organic Chemistry-II	CO1	24.39	0	0	89.7	3	2.4	2.4
		CO2	60.97	1	0.2	89.7	3	2.4	2.6
		CO3	65.85	1	0.2	89.7	3	2.4	2.6
		CO4	61	1	0.2	89.7	3	2.4	2.6
		CO5	65.85	1	0.2	89.7	3	2.4	2.6
Overall CO attainment			55.61	0.8	0.16	89.7	3	2.4	2.56

## 2. PHYSICAL PHARMACEUTICS-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C212	Physical pharmaceutics	CO1	17.94	1	0.2	92.3	3	2.4	2.6
		CO2	10.25	1	0.2	92.3	3	2.4	2.6
		CO3	7.69	1	0.2	92.3	3	2.4	2.6
		CO4	46.15	1	0.2	92.3	3	2.4	2.6
		CO5	56.4	1	0.2	92.3	3	2.4	2.6
Overall CO attainment			27.686	1	0.2	92.3	3	2.4	2.6

## 3. PHARMACEUTICAL MICROBIOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C213/ R17 SEC- A	Pharmaceutical microbiology	CO1	71	3	0.6	97	3	2.4	3
		CO2	21	0	0	97	3	2.4	2.4
		CO3	62	1	0.2	97	3	2.4	2.6
		CO4	74	2	0.4	97	3	2.4	2.8
		CO5	29	0	0	97	3	2.4	2.4
Overall CO attainment			51.4	1.2	0.24	97	3	2.4	2.64

#### 4. PHARMACEUTICAL ENGINEERING (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C214	Pharmaceutical engineering	CO1	24.39	0	0	95.12	3	2.4	2.4
		CO2	60.97	1	0.2	95.12	3	2.4	2.6
		CO3	65.85	1	0.2	95.12	3	2.4	2.6
		CO4	39.02	0	0	95.12	3	2.4	2.4
		CO5	65.85	1	0.2	95.12	3	2.4	2.6
Overall CO attainment			51.21	0.6	0.12	95.12	3	2.4	2.52

#### 5. PHARMACEUTICAL ORGANIC CHEMISTRY-II(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C215	Pharmaceutical Organic Chemistry-II	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3



### 6. PHYSICAL PHARMACEUTICS-I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C216	Physical Pharmaceutics Lab	CO1	82.92	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	95.12	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3

### 7. PHARMACEUTICAL MICROBIOLOGY (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C217/R 17 SEC A	Ph. Microbiology Lab	CO1	98	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			99.6	3	0.6	100	3	2.4	3

### 8.PHARMACEUTICAL ENGINEERING (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C218	pharmaceutical engineering	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### PROGRAM: B. PHARMACY/SECOND YEAR/ II SEMESTER

#### 1.PHARMACEUTICAL ORGANIC CHEMISTRY-III (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C 221	Pharmaceutical Organic Chemistry- III Sec A	CO1	97.30	3	0.6	91.8	3	2.4	3
		CO2	97.30	3	0.6	91.8	3	2.4	3
		CO3	86.84	3	0.6	91.8	3	2.4	3
		CO4	13.10	0	0	91.8	3	2.4	2.4
		CO5	36.84	0	0	91.8	3	2.4	2.4
Overall CO attainment			66.27	0.6	0.36	91.8	3	2.4	2.76

## 2.MEDICINAL CHEMISTRY-I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C222	Medicinal chemistry-I	CO1	75	2	0.4	72	2	1.6	2
		CO2	80	3	0.6	72	2	1.6	2.2
		CO3	52	0	0	72	2	1.6	1.6
		CO4	81	3	0.6	72	2	1.6	2.2
		CO5	76	2	0.4	72	2	1.6	2
Overall CO attainment			72.8	2	0.4	72	2	1.6	2

## 3.PHYSICAL PHARMACEUTICS-II(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C223	Physical Pharmaceutics II	CO1	97.3	3	0.6	86.8	3	2.4	3.6
		CO2	97.3	3	0.6	86.8	3	2.4	3.6
		CO3	44.7	0	0	86.8	3	2.4	2.4
		CO4	36.8	0	0	86.8	3	2.4	2.4
		CO5	44.7	0	0	86.8	3	2.4	2.4
Overall CO attainment			64.16	1.2	0.24	86.8	3	2.4	2.88

#### 4. PHARMACOLOGY-I(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C224	Pharmacology- I	CO1	100.00	3	0.6	65.78	1	0.8	1.4
		CO2	100.00	3	0.6	65.78	1	0.8	1.4
		CO3	97.36	3	0.6	65.78	1	0.8	1.4
		CO4	44.73	0	0	65.78	1	0.8	0.8
		CO5	15.70	0	0	65.78	1	0.8	0.8
Overall CO attainment			71.56	1.8	0.36	65.78	1	0.8	1.16

#### 5.PHARMACOGNOSY AND PHYTOCHEMISTRY-I(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C225	Pharmacognosy and Phytochemistry I	CO1	90.24	3	0.6	82.92	3	2.4	3
		CO2	90.24	3	0.6	82.92	3	2.4	3
		CO3	87.8	3	0.6	82.92	3	2.4	3
		CO4	53.65	0	0	82.92	3	2.4	2.4
		CO5	26.82	0	0	82.92	3	2.4	2.4
Overall CO attainment			69.75	1.8	0.36	82.92	3	2.4	2.52

**6.MEDICINAL CHEMISTRY-I (LAB)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C226	Medicinal Chemistry-I Lab	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

**7.PHYSICAL PHARMACEUTICS-II(LAB)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C227	Physical pharmaceuticals-II Lab	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 8.PHARMACOLOGY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C228	Pharmacology-I Lab	CO1	100.00	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment			100.00	3	0.6	100	3	2.4	3

### 9.PHARMACOGNOSY AND PHYTOCHEMISTRY-I(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C229	Pharmacognosy and Phytochemistry I	CO1	100	3	0.6	95.34	3	2.4	3
		CO2	100	3	0.6	95.34	3	2.4	3
		CO3	97.67	3	0.6	95.34	3	2.4	3
		CO4	97.67	3	0.6	95.34	3	2.4	3
		CO5	97.67	3	0.6	95.34	3	2.4	3
Overall CO attainment			98.602	3	0.6	95.34	3	2.4	3

### 10.GENDER SENSITIZATION LAB

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C2210	Gender Sensitization Lab	CO1	94.70	3	0.6	100	3	2.4	3
		CO2	7.89	0	0	100	3	2.4	2.4
		CO3	28.94	0	0	100	3	2.4	2.4
		CO4	97.36	3	0.6	100	3	2.4	3
		CO5	2.63	0	0	100	3	2.4	2.4
Overall CO attainment			46.30	1.2	0.24	100	3	2.4	2.64

### PROGRAM: B. PHARMACY/THIRD YEAR/ ISEMESTER

#### 1.MEDICINAL CHEMISTRY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C311	Medicinal Chemistry II	CO1	77	2	0.4	91.6	3	2.4	2.8
		CO2	19	0	0	91.6	3	2.4	2.4
		CO3	80	3	0.6	91.6	3	2.4	3
		CO4	2.7	0	0	91.6	3	2.4	2.4
		CO5	94	3	0.6	91.6	3	2.4	3
Overall CO attainment			54.54	8	1.6	91.6	3	2.4	2.72

## 2.INDUSTRIAL PHARMACY- I (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C312	Industrial Pharmacy-I	CO1	78	2	0.4	97.2	3	2.4	2.6
		CO2	21	0	0	97.2	3	2.4	2.4
		CO3	83	3	0.6	97.2	3	2.4	3
		CO4	37	0	0	97.2	3	2.4	2.4
		CO5	32	0	0	97.2	3	2.4	2.4
Overall CO attainment			50.2	1	0.2	97.2	3	2.4	2.56

## 3.PHARMACOLOGY-II (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C313	Pharmacology- II	CO1	81	3	0.6	92.1	3	1.8	2.4
		CO2	60	3	0.6	92.1	3	1.8	2.4
		CO3	60	1	0.4	92.1	3	1.8	2.2
		CO4	68	1	0.4	92.1	3	1.8	2.2
		CO5	38	0	0	92.1	3	1.8	1.8
Overall CO attainment			61.4	1.6	0.4	92.1	3	1.8	2.2



#### 4.PHARMACOGNOSY AND PHYTOCHEMISTRY-II(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C314	Pharmacognosy and Phytochemistry I	CO1	90.24	3	0.6	82.92	3	2.4	3
		CO2	90.24	3	0.6	82.92	3	2.4	3
		CO3	87.8	3	0.6	82.92	3	2.4	3
		CO4	53.65	0	0	82.92	3	2.4	2.4
		CO5	26.82	0	0	82.92	3	2.4	2.4
Overall CO attainment			69.75	1.8	0.36	82.92	3	2.4	2.52

#### 5.GENERIC PRODUCT DEVELOPMENT (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C315	Generic Product Development	CO1	50	0	0	95	3	2.4	2.4
		CO2	58	0	0	95	3	2.4	2.4
		CO3	52	0	0	95	3	2.4	2.4
		CO4	66	1	0.2	95	3	2.4	2.6
		CO5	13	0	0	95	3	2.4	2.4
Overall CO attainment			48	0.2	0.04	95	3	2.4	2.44

### 6.INDUSTRIAL PHARMACY- I (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C316	Industrial Pharmacy-I	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 7.PHARMACOLOGY-II (LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C317	Pharmacology-II Lab	CO1	0	0	0	97.37	3	2.4	2.4
		CO2	97.37	3	0.6	97.37	3	2.4	3
		CO3	97.37	3	0.6	97.37	3	2.4	3
		CO4	97.37	3	0.6	97.37	3	2.4	3
		CO5	97.37	3	0.6	97.37	3	2.4	3
Overall CO attainment			77.90	2.4	0.48	97.37	3	2.4	2.88

### 8. PHARMACOGNOSY AND PHYTOCHEMISTRY-II(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C318	Pharmacognosy and Phytochemistry II	CO1	100	3	0.6	92.6	3	2.4	3
		CO2	100	3	0.6	92.6	3	2.4	3
		CO3	100	3	0.6	92.6	3	2.4	3
		CO4	100	3	0.6	92.6	3	2.4	3
		CO5	100	3	0.6	92.6	3	2.4	3
Overall CO attainment			100	3	0.6	92.6	3	2.4	3

### 9. ENVIRONMENTAL SCIENCES

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C319	Environmental Sciences	ci	68.42	1	0.2	92.1	3	2.4	2.6
		CO2	73.68	2	0.4	92.1	3	2.4	2.8
		CO3	15.78	0	0	92.1	3	2.4	2.4
		CO4	60.52	1	0.2	92.1	3	2.4	2.6
		CO5	18.42	0	0	92.1	3	2.4	2.4
Overall CO attainment			47.36	0.6	0.2	92.1	3	2.4	2.6

**PROGRAM: B. PHARMACY/THIRD YEAR/ IISEMESTER**

**1.MEDICINAL CHEMISTRY-II (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C321	Medicinal Chemistry-II	CO1	77	2	0.4	91.6	3	2.4	2.8
		CO2	19	0	0	91.6	3	2.4	2.4
		CO3	80	3	0.6	91.6	3	2.4	3
		CO4	2.7	0	0	91.6	3	2.4	2.4
		CO5	94	3	0.6	91.6	3	2.4	3
Overall CO attainment			54.54	8	1.6	91.6	3	2.4	2.72

**2. INDUSTRIAL PHARMACY I (THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C322	Industrial Pharmacy-I	CO1	78	2	0.4	97.2	3	2.4	2.6
		CO2	21	0	0	97.2	3	2.4	2.4
		CO3	83	3	0.6	97.2	3	2.4	3
		CO4	37	0	0	97.2	3	2.4	2.4
		CO5	32	0	0	97.2	3	2.4	2.4
Overall CO attainment			50.2	1	0.2	97.2	3	2.4	2.56

### 3.PHARMACOLOGY-III(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C323	Pharmacology-III	CO1	57.89	1	0.2	85.36	3	2.4	2.6
		CO2	65.70	1	0.2	85.36	3	2.4	2.6
		CO3	100.00	3	0.6	85.36	3	2.4	3
		CO4	94.70	3	0.6	85.36	3	2.4	3
		CO5	0.00	0	0	85.36	3	2.4	2.4
Overall CO attainment			63.65	1.6	0.32	85.36	3	2.4	2.72

### 3.HERBAL DRUG TECHNOLOGY(TEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C323	Herbal Drug Technology	CO1	72	2	0.4	95	3	2.4	2.8
		CO2	26	0	0	95	3	2.4	2.4
		CO3	89	3	0.6	95	3	2.4	3
		CO4	26	0	0	95	3	2.4	2.4
		CO5	58	0	0	95	3	2.4	2.4
Overall CO attainment			54.2	1	0.2	95	3	2.4	2.6

#### 4. BIOPHARMACEUTICS AND PHARMACOKINETICS (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C324	Biopharmaceutics and pharmacokinetics	CO1	37.83	0	0	89.18	3	2.4	2.4
		CO2	48.64	0	0	89.18	3	2.4	2.4
		CO3	75.67	2	0.4	89.18	3	2.4	2.8
		CO4	0	2	0	89.18	3	2.4	2.4
		CO5	8.1	0	0	89.18	3	2.4	2.4
Overall CO attainment			34.048	0.8	0.08	89.18	3	2.4	2.48

#### 5. PHARMACEUTICAL BIOTECHNOLOGY (THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C325/R 17 SEC-A	Pharmaceutical biotechnology	CO1	87	3	0.6	76	2	1.6	2.2
		CO2	14	0	0	76	2	1.6	1.6
		CO3	92	3	0.6	76	2	1.6	2.2
		CO4	16	0	0	76	2	1.6	1.6
		CO5	62	1	0.2	76	2	1.6	1.8
19Z Overall CO attainment			54.2	1.4	0.28	76	2	1.6	1.88

### 6.MEDICINAL CHEMISTRY-III(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C326	Medicinal Chemistry-III (L)	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

### 7.PHARMACOLOGY-III(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C327	Pharmacology- III	CO1	89.14	3	0.6	100	3	2.4	3
		CO2	100.00	3	0.6	100	3	2.4	3
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	0.00	0	0	100	3	2.4	2.4
		CO5	100.00	3	0.6	100	3	2.4	3
Overall CO attainment				2.4	0.48	100	3	2.4	2.88

### 8.HERBA DRUG TECHNOLOGY(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C328	Herbal Drug Technology Lab	CO1	88	3	0.6	95	3	2.4	3
		CO2	88	3	0.6	95	3	2.4	3
		CO3	98	3	0.6	95	3	2.4	3
		CO4	100	3	0.6	95	3	2.4	3
		CO5	93	3	0.6	95	3	2.4	3
Overall CO attainment			93.4	3	0.6	95	3	2.4	3

### 9.HUMAN VALUES AND PROFESSIONAL ETHICS(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C329	Human values and professional Ethics	CO1	7.31	1	0.2	92.3	3	2.4	2.6
		CO2	24.3	1	0.2	92.3	3	2.4	2.6
		CO3	2.04	1	0.2	92.3	3	2.4	2.6
		CO4	41.46	1	0.2	92.3	3	2.4	2.6
		CO5	56.09	1	0.2	92.3	3	2.4	2.6
Overall CO attainment			26.24	1	0.2	92.3	3	2.4	2.6



**PROGRAM: B. PHARMACY/FINAL YEAR/ I SEMESTER**

**1.INSTRUMENTAL METHODS OF ANALYSIS(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C411/ R17	Instrumental Method of Analysis	CO1	67.56	1	0.2	86.48	3	2.4	2.6
		CO2	18.91	0	0	86.48	3	2.4	2.4
		CO3	0	0	0	86.48	3	2.4	2.4
		CO4	70.2	2	0.4	86.48	3	2.4	2.8
		CO5	0	0	0	86.48	3	2.4	2.4
Overall CO attainment			31.33	0.6	0.12	86.48	3	2.4	2.52

**2.INDUSRIAL PHARMACY-II(THEORY)**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C412	Industrial Pharmacy-II	CO1	7.31	1	0.2	92.3	3	2.4	2.6
		CO2	24.3	1	0.2	92.3	3	2.4	2.6
		CO3	2.04	1	0.2	92.3	3	2.4	2.6
		CO4	41.46	1	0.2	92.3	3	2.4	2.6
		CO5	56.09	1	0.2	92.3	3	2.4	2.6
Overall CO attainment			26.24	1	0.2	92.3	3	2.4	2.6

### 3.PHARMACY PRACTICE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C413	Pharmacy Practise	CO1	94.59	3	0.6	78.38	2	1.6	2.2
		CO2	21.62	1	0.2	78.38	2	1.6	1.8
		CO3	29.73	1	0.2	78.38	2	1.6	1.8
		CO4	10.81	1	0.2	78.38	2	1.6	1.8
		CO5	89.19	3	0.6	78.38	2	1.6	2.2
Overall CO attainment			49.19	1.8	0.36	78.38	2	1.6	1.96

### 4.NOVEL DRUG DELIVERY SYSTEMS(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C414	Novel Drug Delivery Systems	CO1	46	0	0	35	3	2.4	2.4
		CO2	60	1	0.2	35	3	2.4	2.6
		CO3	62	1	0.2	35	3	2.4	2.6
		CO4	91	3	0.6	35	3	2.4	3
		CO5	14	0	0	35	3	2.4	2.4
Overall CO attainment			54.6	1	0.2	35	3	2.4	2.6

### 5.PHAR PHARMACOVIGILANCE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C415	Pharmacovigilance	CO1	100.00	3	0.6	94.8	3	2.4	3
		CO2	24.00	0	0	94.8	3	2.4	2.4
		CO3	83.70	3	0.6	94.8	3	2.4	3
		CO4	10.80	0	0	94.8	3	2.4	2.4
		CO5	62.10	1	0.2	94.8	3	2.4	2.6
Overall CO attainment			56.12	1.4	0.28	94.8	3	2.4	2.68

### 6.INSTRUMENTAL METHODS OF ANALYSIS(LAB)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C416/R17	Instrumental Methods of Analysis-LAB	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	100	3	0.6	100	3	2.4	3
		CO4	100	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			100	3	0.6	100	3	2.4	3

**PROGRAM: B. PHARMACY/FINAL YEAR/ II SEMESTER**

**1.BIOSTATISTICS AND RESEARCH METHODOLOGY**

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) <b>A + B</b>
			CO Attainment (%)	CO Attainment level (a)	<b>A -</b> Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	<b>B -</b> University Examinations attainment level (0.80*b)	
C421	BRM	CO1	89.10	3	0.6	94.4	3	2.4	3
		CO2	0.00	0	0	94.4	3	2.4	2.4
		CO3	97.20	3	0.6	94.4	3	2.4	3
		CO4	43.20	0	0	94.4	3	2.4	2.4
		CO5	48.60	0	0	94.4	3	2.4	2.4
<b>Overall CO attainment</b>			<b>55.62</b>	<b>1.2</b>	<b>0.24</b>	<b>94.4</b>	<b>3</b>	<b>2.4</b>	<b>2.64</b>

## 2.SOCIAL AND PREVENTIVE PHARMACY

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal + University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C422	SOCIAL AND PREVENTIVE PHARMACY	CO1	70.27	2	0.4	91.89	3	2.4	2.8
		CO2	45.94	0	0	91.89	3	2.4	2.4
		CO3	54.05	0	0	91.89	3	2.4	2.4
		CO4	10.81	0	0	91.89	3	2.4	2.4
		CO5	51.35	0	0	91.89	3	2.4	2.4
<b>Overall CO attainment</b>			<b>46.48</b>	<b>0.4</b>	<b>0.08</b>	<b>91.89</b>	<b>3</b>	<b>2.4</b>	<b>2.48</b>

### 3.PHARMACEUTICAL JURISPRUDENCE(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A - Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B - University Examinations attainment level (0.80*b)	
C423	P. JURISPRUDENCE	CO1	10.8	0	0	91	3	2.4	2.4
		CO2	13.5	0	0	91	3	2.4	2.4
		CO3	27	0	0	91	3	2.4	2.4
		CO4	94	3	0.6	91	3	2.4	3
		CO5	60	1	0.2	91	3	2.4	2.6
Overall CO attainment			41.06	0.8	0.16	91	3	2.4	2.56

#### 4.NANO TECHNOLOGY(THEORY)

Course code	Course name	Course outcomes	CO attainment from Internal exam assessment			CO attainment from University examination			CO Attainment (Internal+ University exam) A + B
			CO Attainment (%)	CO Attainment level (a)	A- Internal Exam attainment level (0.20*a)	CO Attainment (%)	CO Attainment level (b)	B- University Examinations attainment level (0.80*b)	
C424	Nanotechnology	CO1	64.8	1	0.2	91.8	3	2.4	2.6
		CO2	24.3	0	0	91.8	3	2.4	2.4
		CO3	97.2	3	0.6	91.8	3	2.4	3
		CO4	5.4	0	0	91.8	3	2.4	2.4
		CO5	83.7	3	0.6	91.8	3	2.4	3
Overall CO attainment			55.08	1.4	0.28	91.8	3	2.4	2.68

  
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