

2.6.2(5) Evaluation CO-PO attainment
report for M.Pharmacy-Pharmaceutical
Analysis

GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH, Accredited by NAAC A+,
NBA (B. Pharmacy)

Recognized Under UGC Section 2(f) & 12(B) of UGC Act, 1956, DSIR-SIRO; HI/BI of MSME,
ISO 9001:2015 Certified

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

CO-PO ATTAINMENT REPORT

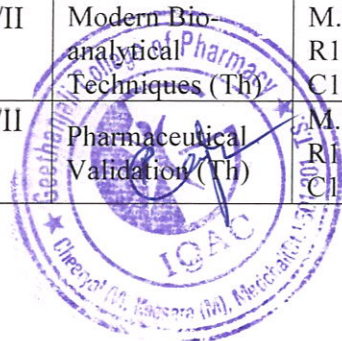
Table 1: CO-PO CORRELATION MATRIX OF ALL COURSES

M.PHARMACY (PHARMACEUTICAL ANALYSIS)

REGULATION R19 / BATCH (2021-2023)

PROGRAMME: M.PHARM (PHARMACEUTICAL ANALYSIS)

S.N O	Year/ Sem	Course Name	Course Code	CO-PO Correlation value										
				P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11
1	I/I	Modern Pharmaceutical Analytical Techniques(Th)	M.PA/ R19 C111	3	-	3	3		3	3		3	3	3
2	I/I	Pharmaceutical and Food Analysis (Th)	M.PA/ R19 C112	1.4	-	2.8	1.4	-	1.8	2.6	-	2.6	1.6	1.6
3	I/I	Drug Regulatory Affairs(Th)	M.PA/ R19 C114	3	1	3	3	1	3	3	1	3	3	3
4	I/I	Research Methodology & IPR(Th)	M.PA/ R19 C119	2.8	1.8	3	2.6	2.8	2.8	2.8	2.8	3	3	3
5	I/I	Stability of Drugs and Dosage Forms (Th)	M.PA/ R19 C118	3	3	3	3	3	3	3	3	3	3	3
6	I/I	Modern Pharmaceutical Analytical Techniques (Lab)	M.PA/ R19 C1110	3	-	3	3		3	3		3	3	3
7	I/I	Pharmaceutical and Food Analysis (Lab)	M.PA/ R19 C1111	1	-	1	2.6	-	1.2	2.2	-	2.6	1.6	2
8	I/I	Disater management (Th)	M.PA/ R19 C1113	2.8	2	2.4	2.4	2	2.8	2.8	2	2.4	2.4	3
9	I/II	Advanced Instrumental Analysis-I (Th)	M.PA/ R19 C121	3	1.8	1.8	2.8	-	2.2	1.8	-	1.6	1	1.2
10	I/II	Modern Bio- analytical Techniques (Th)	M.PA/ R19 C122	1.8	2	2	2.2	-	2.6	2.4	-	1.6	1.8	1.8
11	I/II	Pharmaceutical Validation (Th)	M.PA/ R19 C123	2.6	2	2.2	2.6	-	2	1.6	-	2.6	2.4	1.8



12	I/II	Advanced Instrumental Analysis-II (Th)	M.PA/R19 C126	3	1	3	3	1	3	3	1	3	3	3
13	I/II	Advanced Instrumental Analysis-I (Lab)	M.PA/R19 C129	2.6	0	3	3	0	2.6	2.6	0	3	3	3
14	I/II	Modern Bio-analytical Techniques (Lab)	M.PA/R19 C1210	2.6	0	3	3	0	2.6	2.6	0	3	3	3
15	I/II	Pedagogy Studies(Th)	M.PA/R19 C1117	3	1	3	3	1	3	3	1	3	3	3
16	II/I	Scale up and Technology Transfer (Th)	M.PA/R19 C212	3	3	3	3	3	3	3	3	3	3	3
17	II/I	Screening methods in Pharmacology (Th)	M.PA/R19 C214	3	1	3	3	1	3	3	1	3	3	3
18	II/I	Project	M.PA/R19. C222	3	3	3	3	3	3	3	3	3	3	3
Average CO-PO Correlation				2.6	1.2	2.7	2.7	1.6	2.6	2.6	1.6	2.7	2.5	2.6



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Geethanjali College of Pharmacy
Cheeryal (V), Keesara (M),
Medchal Dist., (T.S.) 501 301

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Table:2 CONSOLIDATED CO-ATTAINMENT REPORT M.PHARMACY (PHARMACEUTICAL ANALYSIS)

REGULATION R19 / BATCH (2021-2023)

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)

CO Attainment based on University exam
(CU)

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

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

BATCH (2021-2023) REGULATION R19

Program: M. Pharmacy/ First Year/ I Semester

1. Modern Pharmaceutical Analytical Techniques (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)	
M.P A/ R19. C111	Modern Pharmaceutical Analytical Techniques	CO1	100	3	0.6	100	3	2.4	3
		CO2	81.8	3	0.6	100	3	2.4	3
		CO3	45.4	0	0	100	3	2.4	2.4
		CO4	100.	3	0.6	100	3	2.4	3
		CO5	54.5	0	0	100	3	2.4	2.4
Overall CO attainment			76.3	1.8	0.36	100	3	2.4	2.76



2. Pharmaceutical and Food 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)	
M.P A/ R19. C112	Pharmaceutical and Food Analysis	CO1	91	3	0.6	100	3	2.4	3
		CO2	36.4	0	0	100	3	2.4	2.4
		CO3	90.9	3	0.6	100	3	2.4	3
		CO4	90.9	3	0.6	100	3	2.4	3
		CO5	90.9	3	0.6	100	3	2.4	3
Overall CO attainment			80.0	2.4	0.48	100	3	2.4	2.88

3. Drug Regulatory Affairs (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)	
M.P A/ R19. C114	Drug Regulatory Affairs	CO1	100	3	0.6	100	3	2.4	3
		CO2	90.9	3	0.6	100	3	2.4	3
		CO3	45.45	0	0	100	3	2.4	2.4
		CO4	100	3	0.6	100	3	2.4	3
		CO5	81.81	3	0.6	100	3	2.4	3
Overall CO attainment			83.63	2.4	0.48	100	3	2.4	2.88



4. Research Methodology & Intellectual Property Rights (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)	
M.PA/R19.C119	Research Methodology & Intellectual Property Rights	CO1	63.60	1	0.2	100	3	2.4	2.6
		CO2	54.50	0	0	100	3	2.4	2.4
		CO3	100.00	3	0.6	100	3	2.4	3
		CO4	100.00	3	0.6	100	3	2.4	3
		CO5	63.60	1	0.2	100	3	2.4	2.6
Overall CO attainment			76.34	1.6	0.32	100	3	2.4	2.72

5. Stability of Drug and Dosage Form (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)	
M.PA/R19.C118	Stability of Drug and Dosage Form	CO1	45	0	0	100	3	2.4	2.4
		CO2	63	1	0.2	100	3	2.4	2.6
		CO3	90	3	0.6	100	3	2.4	3
		CO4	81	3	0.6	100	3	2.4	3
		CO5	100	3	0.6	100	3	2.4	3
Overall CO attainment			75.8	2	0.52	100	3	2.4	2.8



6. Modern Pharmaceutical Analytical Techniques (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)	
M.PA/ R19.C 1110	Modern Pharmaceutical Analytical Techniques (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	3.00

7. Pharmaceutical and Food 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)	
M.P A /R19. C111 1	Pharmaceutical and Food 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			94.26	3	0.6	100	3	2.4	3



8. Audit Course-1 Disaster Management (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)	
M.PA/ R19. C1113	Disaster Management	CO1	100	3	0.6	100	3	2.4	2.7
		CO2	90.9	3	0.6	100	3	2.4	2.7
		CO3	45.45	0	0	100	3	2.4	2.4
		CO4	81.81	3	0.6	100	3	2.4	2.7
		CO5	81.81	3	0.6	100	3	2.4	2.7
Overall CO attainment			80	2.4	0.48	100	3	2.4	2.64



M. Pharmacy/ First Year/ II Semester

1. Advanced Instrumental 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)	
M.P A/ R19. C121	Advanced Instrumental Analysis-I	CO1	81.81	3	0.6	100	3	2.4	3
		CO2	81.81	3	0.6	100	3	2.4	3
		CO3	54.54	0	0	100	3	2.4	2.4
		CO4	90.9	3	0.6	100	3	2.4	3
		CO5	81.81	3	0.6	100	3	2.4	3
Overall CO attainment			78.174	2.4	0.48	100	3	2.4	2.88

2. Modern Bio-analytical Techniques (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)	
M.P T / R19. C122	Modern Bio-analytical Techniques	CO1	100	3	0.6	100	3	2.4	3
		CO2	100	3	0.6	100	3	2.4	3
		CO3	72.7	2	0.4	100	3	2.4	2.8
		CO4	90.9	3	0.6	100	3	2.4	3
		CO5	90.9	3	0.6	100	3	2.4	3
Overall CO attainment			90.9	2.8	0.56	100	3	2.4	2.96



3. Pharmaceutical Validation (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)	
M.P A/ R19. C123	Pharmaceutical Validation	CO1	27.27	0	0	100.00	3	2.4	2.4
		CO2	100.00	3	0.6	100.00	3	2.4	3
		CO3	100.00	3	0.6	100.00	3	2.4	3
		CO4	90.90	3	0.6	100.00	3	2.4	3
		CO5	72.70	2	0.4	100.00	3	2.4	2.8
Overall CO attainment			78.17	2.2	0.44	100.00	3	2.4	2.84

4. Advanced Instrumental Analysis-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)	
M.P A/ R19. C126	Advanced Instrumental Analysis-II	CO1	100	3	0.6	100	3	2.4	3
		CO2	63.63	2	0.4	100	3	2.4	2.8
		CO3	90	3	0.2	100	3	2.4	2.6
		CO4	90	3	0.2	100	3	2.4	2.6
		CO5	90	3	0.2	100	3	2.4	2.6
Overall CO attainment			86.73	2.8	0.32	100	3	2.4	2.72

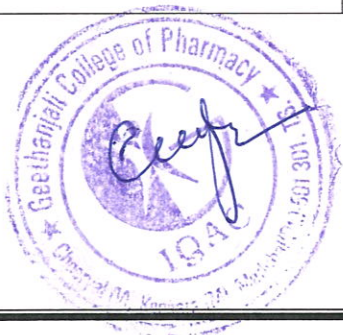


5. Advanced Instrumental Analysis-I (Lab)

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)	
M.P A/ R19. C129	Advanced Instrumental Analysis-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	3.00

6. Modern Bio-analytical Techniques (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)	
M.P A/ R19. C1210	Modern Bio-analytical Techniques (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	3.00



7. Pedagogy Studies (Audit Course-II)

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)	
M.PA/ R19 C1117	Pedagogy Studies	CO1	72.70	2	0.4	100	3	2.4	2.8
		CO2	90.90	3	0.6	100	3	2.4	3
		CO3	90.90	3	0.6	100	3	2.4	3
		CO4	90.90	3	0.6	100	3	2.4	3
		CO5	90.90	3	0.6	100	3	2.4	3
Overall CO attainment			87.26	2.8	0.56	100	3	2.4	2.96



M. Pharmacy/ Second Year/ I Semester

1 Scale Up and Technology Transfer (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)	
M.P T/ R19. C212	Scale up & technology transfer	CO1	100	3	0.6	100	3	2.4	3
		CO2	54.54	1	0.2	100	3	2.4	2.8
		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			90.9	2.6	0.52	100	2	2.4	2.96

2. Screening Methods In Pharmacology (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)	
M.P T/ R19. C214	Screening methods in Pharmacology	CO1	63.64	1	0.2	100	3	2.4	2.6
		CO2	70.13	2	0.4	100	3	2.4	2.8
		CO3	74.35	2	0.4	100	3	2.4	2.8
		CO4	63.96	1	0.2	100	3	2.4	2.6
		CO5	62.01	1	0.2	100	3	2.4	2.6
Overall CO attainment			66.82	1.4	0.28	100	3	2.4	2.68

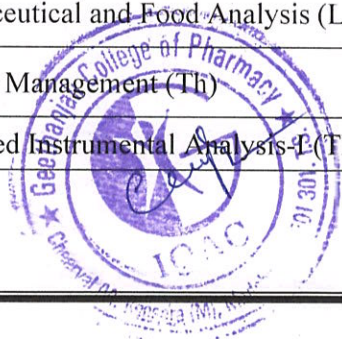


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Table 3: DIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES
M.PHARMACY (PHARMACEUTICAL ANALYSIS)
REGULATION R19 / BATCH (2021-2023)

PROGRAMME: M.PHARM (PHARMACEUTICAL ANALYSIS)														
S.No.	Course Name	Course Code	Overall CO attainment I(A)	(A*B) of courses										
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1	Modern Pharmaceutical Analytical Techniques (Th)	M.PA/R19 C111	2.76	8.28	0	8.28	8.28	0	8.28	8.28	0	8.28	8.28	8.28
2	Pharmaceutical and Food Analysis (Th)	M.PA/R19 C112	2.88	4.03	0	8.06	4.03	0	5.18	7.48	0	7.48	4.60	4.03
3	Drug Regulatory Affairs(Th)	M.PT/R19 C114	2.88	8.64	0	8.64	8.64	0	8.64	8.64	0	8.64	8.64	8.64
4	Research Methodology & IPR(Th)	M.PT/R19 C115	2.72	7.61	4.89	8.16	7.07	7.61	7.61	7.616	7.61	8.16	8.16	8.16
5	Stability of Drugs and Dosage Forms (Th)	M.PT/R19 C119	2.8	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64
6	Modern Pharmaceutical Analytical Techniques (Lab)	M.PA/R19 C1110	3	9	9	9	9	9	9	9	9	9	9	9
7	Pharmaceutical and Food Analysis (Lab)	M.PA/R19 C1111	3	3	0	3	7.8	0	3.6	6.6	0	7.8	4.8	6
8	Disaster Management (Th)	M.PT/R19 C1113	2.64	7.39	5.28	6.33	6.33	5.28	7.39	7.39	5.28	6.33	6.33	7.39
9	Advanced Instrumental Analysis-I(Th)	M.PA/R19	2.88	8.64	5.18	5.18	8.06	0	6.33	5.18	0	4.60	2.88	3.45



		C121												
10	Modern Bio-analytical Techniques (Th)	M.PA/R19 C122	2.96	5.32	5.92	5.92	6.51	0	7.69	7.10	0	4.73	5.32	5.32
11	Pharmaceutical Validation (Th)	M.PA/R19 C123	2.84	7.38	5.68	6.24	7.38	0	5.68	4.54	0	7.38	6.81	5.11
12	Advanced Instrumental Analysis-II (Th)	M.PA/R19 C126	2.72	8.16	2.72	8.16	8.16	2.72	8.16	8.16	2.72	8.16	8.16	8.16
13	Advanced Instrumental Analysis-I (Lab)	M.PA/R19 C129	3	7.8	0	9	9	0	7.8	7.8	0	9	9	7.8
14	Modern Bio-analytical Techniques (Lab)	M.PA/R19 C1210	3	7.8	0	9	9	0	7.8	7.8	0	9	9	9
15	Pedagogy Studies (Audit Course-II)	M.PA/R19 C121113	2.96	8.88	2.96	8.88	8.88	2.96	8.88	8.88	2.96	8.88	8.88	8.88
16	Scale up and Technology Transfer (Th)	M.PA/R19 C212	2.96	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88	8.88
17	Screening methods in Pharmacology (Th)	M.PT/R19 C213	2.68	8.04	2.68	8.04	8.04	2.68	8.04	8.04	2.68	8.04	8.04	8.04
18	Project	M.PT/R19C2 22	3	3	3	3	3	3	3	3	3	3	3	3
Average of {(A*B) of all courses}				7.2	4.1	7.4	7.6	3.2	7.3	7.4	3.2	7.6	7.1	7.1
Average correlation values of CO-PO matrix (B) of all courses				2.6	1.2	2.7	2.7	1.6	2.6	2.6	1.6	2.7	2.5	2.6
DIRECT ATTAINMENT				2.8	3.4	2.7	2.8	2.0	2.8	2.8	2.0	2.8	2.9	2.7
DIRECT ATTAINMENT (80%)				2.2	2.7	2.2	2.3	1.6	2.2	2.3	1.6	2.2	2.3	2.2



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**Table 4: INDIRECT ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES
 M.PHARMACY (PHARMACEUTICAL ANALYSIS)
 REGULATION R19 / BATCH (2021-23)**

PROGRAMME: M.PHARMACY (PHARMACEUTICAL ANALYSIS)														
Batch	Total Students	Survey Details	Total No of Surveys	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11
2021-23	11	PES	11	3	3	3	3	3	3	3	3	3	3	3
Indirect attainment level				2.71	2.57	2.43	2.57	2.29	2.43	2.29	2.71	2.57	2.43	2.86
PES attainment level*0.1				0.27	0.25	0.24	0.25	0.22	0.24	0.22	0.27	0.25	0.24	0.28
2021-23	11	AS	11	3	3	3	3	3	3	3	3	3	3	3
Indirect attainment level				2.43	2.86	2.71	2.57	2.86	2.43	2.29	2.86	2.29	2.57	2.71
AS attainment level *0.05				0.12	0.14	0.13	0.12	0.14	0.12	0.11	0.14	0.11	0.12	0.13
2021-23	11	ES	11	3	3	3	3	3	3	3	3	3	3	3
Indirect attainment level				2.86	2.71	2.86	2.57	2.86	2.71	3	2.86	2.43	2.57	2.86
ES attainment level *0.05				0.14	0.13	0.14	0.12	0.14	0.13	0.3	0.14	0.12	0.12	0.14


HOD/PROGRAMME COORDINATOR
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Table 5: OVERALL PO ATTAINMENT OF PROGRAMME OUTCOMES OF ALL COURSES

M.PHARMACY (PHARMACEUTICAL ANALYSIS)

REGULATION R19 / BATCH (2021-2023)

PO ATTAINMENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
DIRECT ATTAINMENT (80%)	2.2	2.7	2.2	2.3	1.6	2.2	2.3	1.6	2.2	2.3	2.2
PROG EXIT SURVEY (10%)	0.26	0.24	0.24	0.25	0.24	0.28	0.25	0.24	0.27	0.24	0.27
EMPLOYER SURVEY (05%)	0.12	0.14	0.13	0.13	0.13	0.12	0.14	0.14	0.13	0.13	0.13
ALUMNI SURVEY (05%)	0.12	0.12	0.13	0.13	0.14	0.14	0.12	0.13	0.13	0.14	0.13
OVERALL PO ATTAINMENT	2.7	3.2	2.7	2.81	2.11	2.74	2.81	2.11	2.73	2.81	2.73



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

M.PHARMACY (PHARMACEUTICAL ANALYSIS)

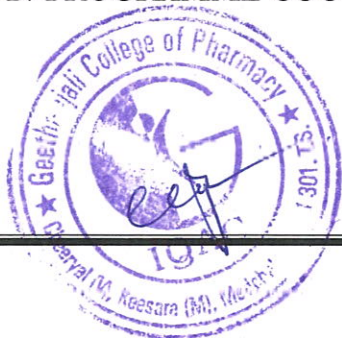
REGULATION R19 / BATCH (2021-2023)

PO	ELOA	ALOA
PO1	2.6	2.7
PO2	2.6	3.2
PO3	2.6	2.7
PO4	2.6	2.81
PO5	2.6	2.1
PO6	2.6	2.74
PO7	2.6	2.81
PO8	2.6	2.11
PO9	2.6	2.73
PO10	2.6	2.81
PO11	2.6	2.73

Note: Expected level of attainment (ELOA); Actual level of attainment (ALOA)


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