

6.5.2: The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities.

1. Academic review

Date - 13/02/2021

Teaching staff meeting is conducted under chairmanship of Principal on following agenda.

→ Reopening of college in COVID-19 pandemic situation.

Principal & all staff members expresses condolence for mother of our Hon. Secretary Shri Sandip Kadam sir.

Principal instructed all staff members for use of english language in classrooms.

As per guidelines given by Govt. of Maharashtra & SPPU, Pune on 15/02/2021, there is reopening of college. On the same issue principal instruct all staff member, how the college will reopen, how lectures & practicals are conducting, which precaution we have to take at the time of reopening, in situation of COVID-19. All staff member should aware all students for maintenance of social distances & also educate the students for the pandemic situation. There is single entry in college campus, at the entry we have to check temperature & oxygen level of each student, if any student get any issue then he/she will not allowed in campus. If any student has any problem he would contact to counselling center.

Each and every staff is responsible for maintaining discipline relates to social distancing & sanitization, so give instruction to students frequently.

- 1) Dr R.S. Chavan - R. Chavan
- 2) Dr S.J. Pawar - S. Pawar
- 3) Mrs. J.R. Jagtap - J. Jagtap
- 4) Mr A.P. Kale - A. Kale
- 5) Mr V.C. Shilimkar - V. Shilimkar
- 6) Mr. J.V. Shinde - J. Shinde
- 7) Mr. N.R. Bhosale - N. Bhosale
- 8) Ms. V.D. Jagtap - V. Jagtap
- 9) Ms. V.V. Jagtap - V. Jagtap
- 10) Mr. Gaikwad R.R. - R. Gaikwad
- 11) Mrs. Kumbharkar Ashwini - A. Kumbharkar
- 12) Mrs. Smita Madhukar - S. Madhukar
- 13) Ms. Madhuri R. Kudale - M. Kudale
- 14) Mrs. P.M. Jagtap - P. Jagtap

Date - 10/03/2021

Teaching staff meeting is conducted under chairmanship of principal Dr. R.S. Charan on following agenda.

→ Review of academic of FY B. Pharm & M. Pharm.

Principal instructed all faculty members on conduction of academics.

Reviewed of academic covered from Jan 2021 by all Faculty members.

First Year — B. Pharm.

First Year	No. of Lecture	Practical	Syllabus Covered
1. Pharmaceutic - I	12	04	20%.
2. Pharmaceutical analysis-I	22	05	35%.
3. Pharmaceutical Inorganic chemistry	24	05	35%.
4. Human anatomy & physiology	24	05	35%.
5. Communication skill	12	04	30%.
6. Remedial Biology	09	05	30%.
7. Remedial mathematics.			

The classes of S.Y., T.Y. & Final Y. B. Pharm of second half semester will be started from 15/03/2021.

M. Pharm

	No. of lecture	Practical	Syllabus covered
	12	01	40%
1. Modern pharmaceutical analytical technique	07	—	25%
2. Drug Delivery system			
3. Modern Pharmaceutics			
4. Regulatory affairs.	13	—	30%
5. Advanced medicinal chemistry	12	—	25%
6. Chemistry of Natural Product.	16	—	30%
7. Advance Organic chemistry	16	—	35%
8. Advance Pharmacology	16	—	35%
9. Pharmacological and Toxicological screening method.	14	—	35%
10. Cellular and Molecular pharmacology.	—	01	—
11. Pharmaceutic Practical	—	03	—
12. Pharmacology Practical	—	02	—
13. Pharmachemistry Practical.			

- 1) Dr R.S. Chavan — R. S. Chavan
- 2) Dr. S. J. Pawar — S. J. Pawar
- 3) Mrs. J. R. Jeyaraj — J. R. Jeyaraj
- 4) Mr. Asodh K. Kale — Asodh K. Kale
- 5) Mr. V. C. Shilimkar — V. C. Shilimkar
- 6) J. V. Shinde — J. V. Shinde
- 7) Nigade G. B. — G. B. Nigade
- 8) P. M. Jeyaraj — P. M. Jeyaraj

- 9) V. V. Jagtap — (Jagtap)
10) S. M. Deshmukh — Deshmukh
11) Gokuldas R. K. — Gokuldas
12) H. B. Shindekar — Shindekar
13) Kumbharkar Ashwini — Ashwini
14) Kudale Madhuri R. — Kudale

14/05/2021

Teaching staff online meeting is conducted under chairmanship of Principal Dr. R. S. Chavan on following agenda.

- > Review of academics.
- > Review of examination (Sessional exam planning).
- > Review of responsibilities and activities remaining in the A.Y. 2020-21.
- > Discussion on attendance of students.
- > Discussion on PG students project completion.
- > Any other matter.

- Review of academics was taken by Principal madam. All staff members shared their views regarding completion of syllabus. Principal instructed all staff members to complete the syllabus by conducting extra lectures. She inform academic incharge Mr. V. C. Shilimkar, to prepare time table for extra lectures for Third Year & Final Year B. Pharm.

The academic sessions of F.Y. & S.Y. B. Pharm are planned & will commence from 21/05/2021. For the same principal instructed to prepare extra lecture time table for completion of syllabus in stipulated time period.

- The Review of previous semester examination was taken by Principal, from Exam. incharge Mr. J. V. Shinde. Also the planning of sessional examination was discussed in meeting. Principal instructed to Mr. N. R. Bhosale, Internal Exam. Incharge to prepare sessional exam. schedule.

- Review of responsibility was taken from individual staff member. & instructed to those members who have not completed their assigned work to complete it as early as possible.

- All staff members are instructed to look after the attendance of students for online classes & classteachers & guardian teachers were asked to communicate with their mentee's regarding attendance.

- All HOD & PG guides are instructed to complete research projects of PG students before August 2021.

1) Dr. R.S. Chavan

R. S. Chavan

2) Dr. S.J. Pawar

S. J. Pawar

3) Mrs. J.R. Jagtap

J. R. Jagtap

4) Mr. A.P. Kale

A. P. Kale

5) Mr V.C. Swilimkar

V. C. Swilimkar

6) Mr. G.B. Nigade

G. B. Nigade

7) Mrs. P.M. Jagtap

P. M. Jagtap

8) J.V. Shinde

J. V. Shinde

Teaching staff meeting is conducted under chairmanship of Principal, on following agenda.

- A) Review of academics
- B) Distribution of responsibilities for academic year 2021-22.
- C) Academic planning for academic year 2021-22.

Review of academics was taken by Principal.

As per instruction of Principal conclusion of academic year 2020-21 is on 03/07/2021 for T.Y. B.Pharm & Final Y. B.Pharm. Also for S.Y. B.Pharm will end on 17/07/2021 and F.Y. B.Pharm will end on 24/07/2021.

Review of responsibilities was taken from individual staff members & instructed to those members who have not completed their work.

The Academic sessions of all classes of B.Pharm are planned & commence from 01/08/2021. Preparation of Academic calendar is discussed in meeting & Principal instructed for addition of some activities, as reflected in NAAC.

It was decided to include a professional development prog., staff Develop. Prog., Stress management workshop for T & N.T. staff, Programmes to abide with the professional Ethics for moral development. Also it was discussed to conduct prog. for girls development like Karate training classes & Yoga sessions per month.

Review of academics conducted was taken & is as follows

	Theory	Pract.	Syllabus covered	Name
A) F.Y. B.Pharm				
1) Pharma. Org. Chem.-I	25	06	80%	JRT
2) Biochemistry	30	06	80%	APK
3) Human Anatomy & Phys.-II				VVJ
4) Computer Application	26	06	90%	RKG
5) Pathophysiology			100%	HBS
6) Environmental Sciences	13	-		SMD

B) S.Y. B.Pharm			80%	JRT
1) Pharma. Org. Chem.-III	36	-		MRB
2) Physical Pharmaceutics - II	35	06	80%	VDJ
3) Pharmacognosy - I	35	06	95%	ADK
4) Pharmacology - I	36	06	95%	MRK
5) Med. Chemistry - I				

C) T.Y. B.Pharm			90%	VCS
1) Herbal Drug Tech.	33	06		JVS
2) Biopharm & P' kinetics	36	-	90%	VDJ
3) Pharma. Biotech	34	-	95%	HBS
4) Med. Chemistry - III			100%	SMD
5) Quality Assurance	32			VVJ
6) Pharmacology - III				

D) Final Y. B.Pharm -				
1) Med. Chemistry - IV	34	06	95%	SJP
2) NPCIR	32	-	95%	VCS
3) ADDS	35	5	90%	JVS
4) QAT	34	-	90%	NRB
5) Pharma. Analysis - VI	32	6	90%	GBN
6) Pharmacology - IV	37	5	95%	PNJ

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- 10) Mrs. A. D. Kumbhakar - A. D. Kumbhakar
- 11) Ms. V. D. Jagtap - V. D. Jagtap
- 12) Mrs. S. M. Deshmukh - S. M. Deshmukh

2. Learning outcome review

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE



Direct attainment of POs and PSOs for B. Pharm. (2017-2021)

Sr. No.	Assessment Tools	Weightage
B. Pharm.		
1	CO attainment of all theory and practical courses Internal examination: 1) Continuous assessment (20%) and 2) Sessional examination (20%)	40%
2	CO attainment of all theory and practical courses End semester examination	60%
M. Pharm. (Sem.-I/II)		
3	CO attainment of all theory and practical courses Internal examination: 1) Continuous assessment (10%) and 2) Sessional examination (15%)	25%
4	CO attainment of all theory and practical courses End semester examination	75%
M. Pharm. (Sem.-III/IV)		
5	Journal club	5%
6	Presentation	14%
7	Research work	81%

Attainment Calculations of course outcomes

Calculations for attainment level:

To define target level:

Sr. No.	Criteria for target level	Attainment Level	Target
1	25% students scored (10% for F. Y. B. Pharm.) >65% marks (25/100x3)	3	0.75 (0.3)
2	65% students scored (40% for F. Y. B. Pharm.) 55-65% marks (65/100x2)	2	1.3 (0.8)
3	10% students scored (50% for F. Y. B. Pharm.) <55% marks (10/100x1)	1	0.1 (0.5)
			2.15 (1.6 for F. Y. B. Pharm.)

Result analysis:

Sr. No.	Criteria for target level	No. of students	
		Internal Exam.	University Exam.
1	25% students scored >65% marks (25/100x3)	A	a
2	65% students scored 55-65% marks (65/100x2)	B	b
3	10% students scored <55% marks (10/100x1)	C	c
Total students		A + B + C = D	a + b + c = e

Calculation for attainment:

Internal Examination

Sr. No.	Attainment	
	Internal Examination	University Examination
1	$A / D \times 3 = X$	$a / e \times 3 = x$
2	$B / D \times 2 = Y$	$b / e \times 2 = y$
3	$C / D \times 1 = Z$	$c / e \times 1 = z$
Attainment	$X + Y + Z = K$	$x + y + z = k$
% attainment	$K / 2.15 \times 100 = M \%$	$k / 2.15 \times 100 = m\%$
Final attainment	$40/100 \times K + 60/100 \times k = \text{Final CO attainment}$	

Direct PO and PSOs attainment calculations

Formula for calculating POs and PSOs attainment:

The PO/PSO attainment is calculated by using the predefined CO/PO; CO/PSO matrix and Final CO attainment of the course.

The PO/PSO attainment values are calculated using the following formula

$$\text{PO /PSO attainment} = \text{PO/PSO score} / 3 \times \text{Final CO attainment of the course}$$

Table of POs and PSOs attainment for B. Pharm. (2017-2021)

Course code	Program Outcome											Program Specific Outcome				
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5
1.1.1 T	1.6	1.6		1.6	-	-	-	1.6	-	-	-	1.6	1.6	0.53	1.06	1.6
1.1.2 T	2.63	-	1.75		-	-	-	-	-	-	1.75	2.63	1.64	1.5	0.82	0.82
1.1.3 T	1.41	-	0.94	0.94	-	-	-	-	-	-	0.94	1.41	0.94	0.86	0.47	0.47
1.1.4 T	1.95	-	1.3	-	-	-	-	-	-	-	1.3	1.95	1.3	1.22	0.65	0.65
1.1.5 T	2.84	-	1.89	0.95	-	2.84		2.84	2.84	1.89	2.84	2.16	1.44	1.35	0.72	0.72
1.1.6 T	1.6	-	1.06	1.06	-	-	-	1.6	1.6	1.06	1.06	1.6	1.6	1.06	0.53	0.53
1.1.1 P	1.6	1.6	-	-	-	-	-	1.6	-	-	-	1.6	1.6	0.53	1.06	1.6
1.1.2 P	1.6	1.6	-	-	-	-	-	-	1.6	1.06	1.06	1.6	1.6	0.53	1.06	1.6
1.1.3 P	2.8	1.86	1.86	1.86	-	-	-	-	-	-	1.86	2.8	1.86	1.7	0.93	0.93
1.1.4 P	2.38	1.59	1.59		-		-	2.38	-	-	-	2.38	1.59	1.75	0.79	0.79
1.1.5 P	2.84	-	1.89	1.89	-	1.89	-	2.84	2.84	1.89	1.89	2.84	1.89	1.89	0.94	0.94
1.2.1 T	1.6	-	-	-	0.53	-	-	-	-	1.6	0.53	1.6	1.6	0.53	1.06	0.53
1.2.2 T	2.63	-	1.75	-	-	-	-	-	-	-	1.75	2.63	1.64	1.5	0.82	0.82
1.2.3 T	1.75	-	1.16	-	-	-	-	-	-	-	1.16	1.75	1.09	0.58	0.58	0.58
1.2.4 T	1.73	-		1.15	-	1.15	-	1.73	1.73	-	-	1.73	1.15	1.15	0.57	0.57
1.2.5 T	2.25	-	1.5	0.75	2.25	-	-	2.25	2.25	-	-	2.25	1.5	1.37	0.74	0.74
1.2.6 T	1.64	1.09	1.09	-	-	-	-	-	-	-	1.09	1.64	1.09	1.02	0.54	0.54
1.2.2 P	1.6		1.06	-	-	-	-	-	-	-	0.53	1.6	1.6	0.53	1.06	0.53
1.2.3 P	2.67	1.78	1.78	-	-	-	-	1.78	-	-		2.67	1.42	1.67	0.89	0.89
1.2.4 P	2.3	-	-	1.53	-	1.53	-	2.3	2.3	1.53	1.53	2.3	1.53	1.53	0.76	0.76
1.2.5 P	2.25	-	1.5	-	-	-	-	-	-	-	1.5	2.25	1.5	1.37	0.74	0.74
1.2.6 P	2.82	1.88	1.88	1.88	-	-	0.93	-	-	-	1.88	2.82	1.88	1.56	1.88	1.88
2.3.1 T	2.16	-	-	-	0.72	-	1.44	-	1.44	2.16	0.72	2.16	2.16	0.72	1.44	0.72
2.3.2 T	2.46	-	1.64	-	-	-	-	-	-	-	1.64	2.46	1.64	1.5	0.82	0.82
2.3.3 T	1.51	0.25	0.13	0.63	-	-		0.25	0.25		2	1.69	0.77	0.77	1.07	1.22
2.3.4 T	2.67	-	1.78		-	-					1.78	2.67	2.22	1.78	1.78	1.78
2.3.5 T	2.87	-	1.91	1.91	-	-		2.87	2.87	1.91	1.91	2.15	1.43	1.43	0.71	0.71
2.3.6 T	2.62	-	1.75	-	-	-	-	-	-	-	1.75	2.62	1.64	1.5	0.82	0.82

2.3.1 P	2.35	2.35	-	2.35	-	-	1.56	2.35	1.56	-		2.35	2.35	0.78	1.56	0.78
2.3.2 P	2.6	-	1.72	-	-	-	-	-	-	-	1.72	2.6	1.74	1.65	0.72	0.72
2.3.3 P	2.15	1.19	1.43	1.15	-	-	-	1.1	-	-	1.91	1.67	1.19	0.95	1.19	1.19
2.3.4 P	2.55	1.7	1.7	-	-	-	-	-	-	-		2.55	2.55	1.7		
2.3.6 P	2.25	-	0.75	1.5	-	1.5	-	2.25	2.25	-		2.25	1.5	1.37	0.74	0.74
2.4.1 T	2.16	-	-		0.72		1.44		1.44	2.16	0.72	2.16	2.16	0.72	1.44	0.72
2.4.2 T	2.13	-	-	1.42		1.42		2.13	2.13	1.42	1.42	2.13	1.42	1.42	0.7	0.7
2.4.3 T	2.59	1.72	1.72	-	-	2.59	-	-	-	-	-	2.59	2.15	0.86	1.72	0.86
2.4.4 T	1.73	2.15	2.15	0.77	-	-		0.58	-	-	2.15	1.53	0.57	0.76	0.95	1.15
2.4.5 T	2.57	-	1.69	-	-	-	-	-	-	-	1.69	2.57	1.64	1.5	0.82	0.82
2.4.6 T	2.15	-	-	-	0.72	-	1.44	-	1.44	2.16	0.72	2.16	2.16	0.72	1.44	0.72
2.4.1 P	2.16	-	-	2.16	-		1.44	2.16	1.44	-	-	2.16	2.16	0.72	1.44	0.72
2.4.2 P	2.87	-	1.91	1.91	-		1.91	2.87	2.87	-	-	2.87	1.91	1.91	0.95	0.95
2.4.3 P	2.76	1.84	1.84	-	-	-	-	2.76	-	-	-	2.76	2.76	1.84	0.92	0.92
2.4.4 P	2.42	1.21	1.34	2.22	-			1.81		-	202	2.02	1.14	1.01	1.41	1.41
2.4.5 P	2.47	0.82	-	1.64	-	1.64		2.47	2.47	-	-	2.47	1.64	1.64	0.82	0.82
3.5.1 T	2.15	2.15	1.44	1.44	-		2.15	2.15	1.44	2.15	2.15	2.15	2.15	1.44	1.44	0.72
3.5.2 T	2.25		0.75	1.5	-	-	-	-	-	1.5	0.75	2.25	2.25	2.25	2.25	2.25
3.5.3 T	1.74	-	1.16	0.87	-	-	-	0.58	-	-	0.81	1.35	0.77	0.67	0.96	1.16
3.5.4 T	2.28	-	-	0.76	-	1.52	-	-	1.52	-	-	2.28	1.52	1.52	0.75	0.75
3.5.5 T	2.47	-	-	1.64	-	2.47	-	1.64	1.64	-	-	2.47	1.02	1.02	1.44	1.64
3.5.6 T	2.23	-	-	1.04	-	1.04	-	2.23	2.23	-	-	2.23	1.24	1.04	0.84	0.84
3.5.7 T	2.16	-	1.5	1.5	-		-		2.16	-	1.44	2.16	2.02	1.44	1.59	1.01
3.5.1 P	2.35	2.35	0.78	2.35	-	1.56	-	2.35	1.56	2.35	0.78	2.35	2.35	1.56	1.56	0.78
3.5.2 P	2.4	1.6	1.6	2.4	1.6	-	-	-	-	1.6	0.8	2.4	2.4	2.4	2.4	2.4
3.5.3 P	2.34	1.56	1.95	-	-	-	-	1.04	-	-	0.9	1.81	1.42	1.17	1.42	1.42
3.5.4 P	2.82	0.94	0.94	2.82	0.94	1.88	-	2.82	1.88	1.88	1.88	2.82	1.88	1.88	0.94	0.94
3.5.5 P	2.47	-	-	1.64	-	2.47	-	1.64	1.64	-	-	2.47	1.02	1.02	1.44	1.64
3.6.1 T	2.53	-	1.68	2.53	1.68	1.68	2.53	2.53	1.68	1.68	1.68	2.15	2.15	1.44	1.44	1.44
3.6.2 T	2.46	-	0.82	0.82							0.82	2.46	2.46	2.46	2.46	2.46
3.6.3 T	2.52	0.84	0.84	0.84	-	0.84	0.84	0.84	1.68	1.68	1.68	1.35	0.77	0.67	0.96	1.16
3.6.4 T	2.91	-	-	0.97	-	1.94	-		1.94		1.94	2.91	1.94	1.94	0.96	0.96
3.6.5 T	2.47	-	-	1.64	-	2.47	-	1.64	1.64			2.47	1.23	1.64	1.23	1.23
3.6.6 T	2.78	-	2.31	2.4	-		-	-	2.78		1.85	2.78	2.59	1.62	1.85	0.92
3.6.7 T	2.15	-	1.44		-	1.44	-	-	2.15	1.44	1.44	2.15	2.15	1.44	1.44	1.44
3.6.1 P	2.35	2.35	1.56	1.56	-	-	-	-	-	2.35	0.78	2.35	1.56	1.56	1.56	0.78
3.6.2 P	2.43	1.62	1.62	2.43	1.62	-	-	-	-	1.62	0.81	2.43	2.43	2.43	2.43	2.43
3.6.3 P	2.55	1.7	1.7	1.7	-	0.85	1.7	1.7	0.85	0.85	1.7	1.81	1.42	1.17	1.42	1.42
3.6.4 P	2.91	0.97	0.97	1.94	0.97	1.94	2.91	1.94	0.97	1.94	1.94	2.91	1.94	1.94	0.96	0.96
3.6.5 P	2.47	-		1.64	-	2.47	-	1.64	1.64	-	-	2.47	1.64	1.64	1.64	1.64
4.7.1 T	2.46	-	1.64		-	-	-	-	-	-	1.64	2.46	1.64	1.5	0.82	0.82

4.7.2 T	2.26	-	0.75	1.5	-	-	-	-	-	1.5	0.75	2.26	2.26	2.26	2.26	2.26
4.7.3 T	2.75	-	1.14	2.29	-	-	-	2.29	1.37	-	2.06	2.53	1.15	1.15	1.6	1.83
4.7.4 T	2.84	-	1.89	0.95	-	2.84	-	-	2.84	-	2.84	2.84	1.89	1.89	0.94	0.94
4.7.5 T	2.5	-	1.66	-	-	-	-	-	-	-	1.66	2.5	1.66	1.52	0.83	0.83
4.7.6 T	2.44	-	2.16	1.62	-	-	-	-	-	-	1.87	2.44	2.44	1.47	1.47	0.81
4.7.7 T	2.15	-	1.44	1.44	-	-	1.44	-	-	-	1.44	2.15	1.44	1.44	1.44	0.72
4.7.1 P	2.35	-	1.56	-	1.56	-	-	-	1.56	2.35	0.78	2.35	1.56	1.56	1.56	0.78
4.7.2 P	2.44	1.62	1.62	2.44	1.62	-	-	-	-	1.62	0.81	2.44	2.44	2.44	2.44	2.44
4.7.3 P	2.73	2.12	2.04	1.82	1.82	-	-	2.42	1.82	1.82	2.04	2.28	1.6	1.09	1.6	1.6
4.7.4 P	2.78	2.78	1.85	2.13	-	2.13	2.13	2.78	0.93	-	1.85	2.78	1.85	1.85	0.92	0.92
4.7.5 P	2.45	-	-	1.61	-	1.61	-	2.45	2.45	-	1.61	2.45	1.61	1.61	0.81	0.81
4.8.1 T	2.36	-	2.04	1.57	-	-	-	-	-	-	1.8	2.36	2.36	1.41	1.41	0.78
4.8.2 T	2.5	-	-	1.6	-	-	-	-	-	-	1.66	2.5	1.66	1.52	0.83	0.83
4.8.3 T	2.3	-	0.76	1.53	-	-	-	-	-	-	0.76	2.3	2.3	2.3	2.3	2.3
4.8.4 T	2.91	-	1.21	2.43	-	-	-	2.43	1.46	-	2.18	2.75	1.25	1.25	1.75	2
4.8.5 T	2.89	1.2	1.35	0.96	0.96	1.35	1.16	1.35	1.16	-	2.89	2.89	1.92	1.92	0.96	0.96
4.8.6 T	2.46	-	1.64	1.64	-	-	-	-	1.64	1.64	1.64	2.45	1.61	1.61	0.81	0.81
4.8.7 T	2.15	-	-	-	0.72	-	1.44	-	1.44	2.15	0.72	2.15	2.15	0.72	1.44	0.72
4.8.1 P	2.72	-	1.81	1.81	-	-	-	-	-	-	1.81	2.72	2.72	1.51	1.51	0.82
4.8.2 P	2.15	1.44	-	1.44	-	-	-	-	-	2.15	0.72	2.15	1.44	1.44	0.72	1.44
4.8.3 P	2.59	1.72	1.72	2.59	1.72	-	-	-	-	1.72	0.86	2.59	2.59	2.59	2.59	2.59
4.8.4 P	2.67	2.07	2	1.34	1.78	-	-	2	1.78	1.78	2.23	2.4	2	1.5	1.8	1.8
4.8.5 P	2.26	1.51	0.75	-	-	0.75	0.75	0.75	0.75	-	0.75	2.26	1.5	1.5	0.75	0.75
POs/PSOs attainment	2.34	1.62	1.49	1.61	1.29	1.78	1.57	1.94	1.74	1.71	1.48	2.29	1.73	1.41	1.25	1.12

Table of POs and PSOs attainment for M. Pharm. (2019-2021)

Course code	Program Outcome											Program Specific Outcome				
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5
Pharmaceutics																
MPAT101T	1.9	1.06	1.71	1.93	1.06	0.85	0.85	1.06	1.28	-	1.49	1.71	0.85	0.64	0.85	1.28
MPH102T	2.16	-	-	2.16	-	-	-	-	-	2.16	0.71	2.16	1.42	1.42	0.77	1.42
MPH103T	2.16	-	-	2.16	-	-	-	-	-	2.16	0.71	2.16	1.42	1.42	0.77	1.42
MPH104T	2.15	-	-	-	1.44	-	1.44	-	1.44	2.15	0.72	2.15	2.15	1.44	1.44	0.72
MPH105P	2.35	-	1.45	2.35	-	-	2	-	-	-	-	2.35	2.35	0.78	2.35	0.78
MPH201T	2.15	-	-	2.15	-	-	1.44	-	0.72	2.15	0.72	2.15	2.15	0.72	1.44	0.72
MPH202T	2.15	-	-	1.44	-	-	0.72	-	0.72	1.44	2.15	2.15	1.44	1.44	1.44	0.72
MPH203T	2.15	-	-	-	1.44	-	1.44	-	1.44	2.15	0.72	2.15	2.15	0.72	1.44	0.72
MPH204T	2.15	-	-	2.15	-	-	0.72	-	-	2.15	0.72	2.15	2.15	0.72	1.22	0.72
MPH205P	2.35	-	1.45	2.35	-	-	2	-	-	-	-	2.35	2.35	1.44	1.44	0.72
MRM301T	2.9	2.9	2.22	-	1.35	-	2.9	-	0.96	-	1.54	2.9	2.9	0.96	3.9	1.93
Sem.III/IV	2.21	2.21	2.21	2.21	0.73	1.46	2.21	2.21	1.46	-	2.21	2.21	2.21	2.21	2.21	2.21
POs/PSOs attainment	2.23	2.06	1.71	2.1	1.20	1.15	1.57	1.64	1.15	2.05	1.17	2.21	1.96	1.16	1.60	1.11
Pharmaceutical Chemistry																
MPAT101T	2.15	1.18	1.90	2.15	1.18	0.95	0.95	1.18	1.43	-	1.66	1.90	0.95	0.71	0.95	1.43
MPC102T	2.25	-	2.1	1.05	-	-	0.93	-	-	-	1.5	2.25	2.25	0.74	2.25	1.5
MPC103T	2.85	2.85	1.9	1.9	0.94	1.9	1.9	1.9	1.9	1.9	1.9	2.85	2.85	2.85	2.85	2.85
MPC104T	2.05	1.09	1.64	1.64	0.68	0.85	0.68	1.23	1.36	1.64	1.09	1.91	1.09	0.68	1.23	1.36
MPC105P	3	3	3	3	1.5	3	3	3	3	3	3	3	3	3	3	3
MPC201T	2.20	1.1	1.95	1.46	-	-	-	1.46	-	-	2.20	1.21	1.46	1.21	0.97	0.97
MPC202T	3	-	3	1.5	-	-	1.33	-	-	-	2	3	3	2	3	2
MPC203T	3	2	0.99	2	0.99	0.99	2	0.99	0.99	0.99	0.99	3	2	0.89	2	0.99
MPC204T	3	2	0.99	2	0.99	0.99	2	0.99	0.99	0.99	0.99	3	2	0.89	2	0.99
MPC205P	3	3	3	3	1.5	3	3	3	3	3	3	3	3	3	3	3
MRM301T	3	3	2.3	-	1.4	-	3	-	1	-	1.6	3	3	0.99	3	2

Sem.III/IV	2	2	2	2	0.66	1.33	2	2	1.3	-	2	2	2	2	2	2
POs/PSOs attainment	2.63	2.1 2	2.0 6	1.9 7	1.09	1.63	1.89	1.75	1.6 6	1.92	1.83	2.51	2.22	1.58	2.19	1.84
Pharmacology																
MPAT101T	1.85	1.0 2	1.6 4	1.85	1.0 2	0.82	0.82	1.02	1.2 3	-	1.51	1.64	0.82	0.64	0.82	1.23
MPL102T	1.33	1.3 3		0.88	-	1.01	-	0.88	0.5 7	0.57	1.01	1.33	0.44	0.88	0.44	1.33
MPL103T	2.68	2.6 8	1.7 8	1.78	-	1.78	1.78	2.68	1.7 8	1.78	2.68	2.68	2.68	1.78	1.78	2.68
MPL104T	2.49	1.6 6	2.4 9	1.03	-	2.07	-	-	1.0 3	0.82	2.28	2.49	1.03	1.66	1.66	2.49
MPL105P	2.74	2.7 4	1.8 2	2.74	-	-	-	-	0.9 1	1.37	1.82	2.74	1.82	1.82	1.82	2.74
MPL201T	3	3	-	2	-	2.3	-	2	1.3	1.3	1.6	3	2	2	2	3
MPL202T	3	2.6	-	2	-	3	-	-	-	-	3	3	1.66	1	3	3
MPL203T	3	1.5	-	2	-	2.8	-	-	-	-	3	3	3	2	3	3
MPL204T	3	3	-	2	-	3	-	-	-	-	3	3	2	3	3	3
MPL205P	3	2	2	2	-		1	2	-	-	3	3	3	2	2	3
MRM 301T	3	3	2.3	-	1.4	-	3	-	1	-	1.6	3	3	0.99	3	2
Sem.III/IV	2.2	2.2	2.2	2.2	0.7 3	1.46	2.2	2.2	1.4 6	-	-	2.2	2.2	2.2	2.2	2.2
PO/PSO attainment	2.61	2.2 3	2.0 3	1.86	1.0 5	1.97	1.76	1.79	1.1 6	1.17	2.23	2.59	1.97	1.66	2.06	2.47

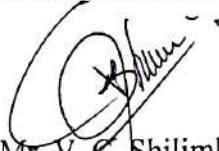
PO/PSO Achievement Matrix for B. Pharm. (2017-2021)

POs/PSOs	Program Outcome											Program Specific Outcome				
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5
Attainment (100%)	2.9 8	2.0 4	1.8 2	2.0 5	1.57	1.92	1.7	2.39	2.1 9	2.15	1.80	2.91	2.24	1.86	1.61	1.47
Set target value (65%)	1.9 4	1.3 3	1.1 8	1.3 3	1.02	1.25	1.1	1.55	1.4 2	1.4	1.17	1.89	1.46	1.21	1.05	0.95
Achieved attainment	2.3 4	1.6 2	1.4 9	1.6 1	1.29	1.78	1.57	1.94	1.7 4	1.71	1.48	2.29	1.73	1.41	1.25	1.12


PO/PSO Achievement Matrix for M. Pharm. (2019-2021)

POs/PSOs	Program Outcome											Program Specific Outcome				
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5
Pharmaceutics																
Attainment (100%)	3	2.1 4	2.2 9	2.51	1.53	1.7 1	2.1 8	1.7 3	1.6 5	2.71	1.52	2.97	2.69	1.65	2.26	1.7
Set target value (65%)	1.9 5	1.4	1.4 9	1.63	0.99	1.1 1	1.4 2	1.1 2	1.0 7	1.76	0.99	1.93	1.75	1.07	1.47	1.11
Achieved attainment	2.2 3	2.0 6	1.7 1	2.1	1.20	1.1 5	1.5 7	1.6 4	1.1 5	2.05	1.17	2.21	1.96	1.16	1.60	1.11
Pharmaceutical Chemistry																
Attainment (100%)	3	2.3 8	2.1 8	2.19	1.12	1.6 4	1.9 7	1.8 3	1.6 7	1.8	1.96	2.84	2.49	1.81	2.48	2.11
Set target value (65%)	1.9 5	1.5 5	1.4 2	1.42	0.73	1.0 7	1.2 8	1.1 9	1.0 9	1.17	1.23	1.85	1.62	1.18	1.61	1.37
Achieved attainment	2.6 3	2.1 2	2.0 6	1.97	1.09	1.6 3	1.8 9	1.7 5	1.6 6	1.92	1.83	2.51	2.22	1.58	2.19	1.84
Pharmacology																
Attainment (100%)	3	2.5 2	2.4 2	2.23	1.35	2.3 7	1.8 8	2.1 9	1.5 9	1.43	2.55	2.97	2.19	1.91	2.30	2.83
Set target value (65%)	1.9 5	1.6 4	1.5 7	1.45	0.88	1.5 4	1.2 2	1.4 2	1.0 3	0.93	1.66	1.93	1.42	1.89	1.5	1.84
Achieved attainment	2.6 1	2.2 3	2.0 3	1.86	1.05	1.9 7	1.7 6	1.7 9	1.1 6	1.17	2.23	2.59	1.97	1.66	2.06	2.47

Conclusion: The POs/PSOs attainment for both B. Pharm. and M. Pharm. programmes are fully achieved as the achieved PO/PSO attainment values are greater than the set target values.


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PUNE DISTRICT EDUCATION ASSOCIATION'S SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY SASWAD, DIST-PUNE

Attainment Calculations of course outcomes 2017-18

Course name: Pharmaceutical Organic Chemistry-II(T) Class: F. Y. B. Pharm. (Sem.-II)

Course Code: 1.2.3 T

Calculations for attainment level:

To define target level:

Sr. No.	Criteria for target level	Attainment Level	Target
1	10% students scored >65% marks (10/100x3)	3	0.3
2	40% students scored 55-65% marks (40/100x2)	2	0.8
3	50% students scored <55% marks (50/100x1)	1	0.5
			1.6


Result analysis:

Sr. No.	Criteria for target level	No. of students	
		Internal Exam.	University Exam.
1	10% students scored >65% marks (10/100x3)	28	06
2	40% students scored 55-65% marks (40/100x2)	08	18
3	50% students scored <55% marks (50/100x1)	20	32
Total students		56	56

Calculation for attainment:

Internal Examination

Sr. No.	Attainment	
	Internal Examination	University Examination
1	$28/56 \times 3 = 1.5$	$06/56 \times 3 = 0.32$
2	$08/56 \times 2 = 0.23$	$18/56 \times 2 = 0.64$
3	$20/56 \times 1 = 0.35$	$32/56 = 0.57$
Attainment	2.08	1.53
% attainment	$2.08/1.6 \times 100 = 130\%$	$1.53/1.6 \times 100 = 95.63\%$
Final attainment	$40/100 \times 2.08 + 60/100 \times 1.53 = 1.75$	


 Sign. of subject Teacher
 (Mrs. J.R. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

Mapping of Course Outcome and Programme Outcomes 2017-18

Course name: Pharmaceutical Organic Chemistry-II(T) Class: F. Y. B. Pharm. (Sem.-II)

Course Code: 1.2.3 T

Subject	Mapped POs	Mapped PSOs	CO Target	CO attainment	Fully attained/Not attained	Remedial measures
The students should be able to- CO 1. Explain chemistry ,method of preparation & chemical reactions of aldehyde and ketones.	1	1,2,3,4 &5	1.6	1.75	Fully attained	
CO 2. Clarify chemistry ,method of preparation & chemical reactions phenols sulphonic acid derivatives.	1	1,2,3,4 &5				
CO 3. Explain and clarify common and IUPAC nomenclatures of different alcohols and ethers. synthesis and general reactions of the alcohols and ethers.	1 & 3	1,2,3,4 &5				
CO 4. Memorize chemistry of amines, separation of amines. Outline the synthesis, chemical reactions of amines. Illustrate the use.	1 & 3	1,2,3,4 &5				
CO 5. Classify, synthesize of cyanide and isocyanides.	1 & 11	1,2,3,4 &5				
CO 6. Memorize reactions related to esters and amide.	1	1,2,3,4 &5				
CO 7. Explain substitution nucleophilic reactions.	1 & 3	1,2,3,4 &5				
CO 8. Clarify the synthesis, chemical reactions of a given carboxylic acid along with mechanism...	1 & 11	1,2,3,4 &5				

Sign. of subject Teacher

(M. J. R. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

POs and PSOs attainment for academic year 2017-18

Course code/ Course name	Course outcome	Program outcome										
		1	2	3	4	5	6	7	8	9	10	11
B. Pharmacy- I Year (Semester system) Semester- II												
1.2.3T Pharmaceut ical Organic Chemistry- II	CO1	3	-	-	-	-	-	-	-	-	-	-
	CO2	3	-	-	-	-	-	-	-	-	-	-
	CO3	3	-	2	-	-	-	-	-	-	-	-
	CO4	3	-	2	-	-	-	-	-	-	-	-
	CO5	3	-	-	-	-	-	-	-	-	-	-
	CO6	3	-	-	-	-	-	-	-	-	-	2
	CO7	3	-	-	-	-	-	-	-	-	-	-
	CO8	3	-	2	-	-	-	-	-	-	-	-
	Average course outcome (2.33)	3	-	2	-	-	-	-	-	-	-	2
	PO attainment (1.35)	1.75	-	1.16	-	-	-	-	-	-	-	1.16

Course code/ Course name	Course outcome	Program Specific outcome				
		1	2	3	4	5
. Pharmacy- I Year (Semester system) Semester- II						
1.2.3T Pharmaceutica I Organic Chemistry-II	CO1	3	1	1	1	1
	CO2	3	2	1	1	1
	CO3	3	2	1	1	1
	CO4	3	2	1	1	1
	CO5	3	2	1	1	1
	CO6	3	2	1	1	1
	CO7	3	2	1	1	1
	CO8	3	2	1	1	1
	Average course outcome (1.57)	3	1.87	1	1	1
	PSO attainment (0.92)	1.75	1.09	0.58	0.58	0.58

Sign. of subject teacher

(Mn. J.R. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

Attainment Calculations of course outcomes 2017-18

Course name: Pharmaceutical Organic Chemistry-II(P) Class: F. Y. B. Pharm. (Sem.-II)
Course Code: 1.2.3 p

Calculations for attainment level:

To define target level:

Sr. No.	Criteria for target level	Attainment Level	Target
1	10% students scored >65% marks (10/100x3)	3	0.3
2	40% students scored 55-65% marks (40/100x2)	2	0.8
3	50% students scored <55% marks (50/100x1)	1	0.5
			1.6

Result analysis:

Sr. No.	Criteria for target level	No. of students	
		Internal Exam.	University Exam.
1	10% students scored >65% marks (10/100x3)	38	41
2	40% students scored 55-65% marks (40/100x2)	15	14
3	50% students scored <55% marks (50/100x1)	03	01
Total students		56	56

Calculation for attainment:

Internal Examination

Sr. No.	Attainment	
	Internal Examination	University Examination
1	$38/56 \times 3 = 2.04$	$41/56 \times 3 = 2.19$
2	$15/56 \times 2 = 0.54$	$14/56 \times 2 = 0.5$
3	$03/56 \times 1 = 0.05$	$01/56 = 0.02$
Attainment	2.63	2.71
% attainment	$2.63/1.6 \times 100 = 164.37\%$	$2.71/1.6 \times 100 = 169.37\%$
Final attainment	$40/100 \times 2.63 + 60/100 \times 2.71 = 2.67$	

Sign. of subject Teacher


(Mn. J.R. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

Mapping of Course Outcome and Programme Outcomes 2017-18

Course name: Pharmaceutical Organic Chemistry-II(P) **Class:** F. Y. B. Pharm. (Sem.-II)
Course Code: 1.2.3 P

Subject	Mapped POs	Mapped PSOs	CO Target	CO attainment	Fully attained/Not attained	Remedial measures
CO 1. Explain and understand the principal behind various qualitative tests and analyze the given unknown organic compounds having different functional groups.	1, 2 & 3	1,2,3,4 &5	1.6	2.67	Fully attained	
CO 2. Able to handle all chemicals carefully.	1	1,2,3,4 &5				
CO 3. Synthesize different organic compounds and know reaction & Mechanism	1,2 & 3	1,2,3,4 &5				
CO 4. Demonstrate various techniques of Purification of the synthesized compound such as recrystallization, distillation	1	1,2,3,4 &5				
CO5. Communicate effectively the observations and results of an experiment	1 & 8	1,2,3,4 &5				


 Sign. of subject Teacher
 (Mn. J. A. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

POs and PSOs attainment for academic year 2017-18

Course code/ Course name	Course outcome	Program outcome										
		1	2	3	4	5	6	7	8	9	10	11
B. Pharmacy- I Year (Semester system) Semester- II												
1.2.3P Pharmace utical Organic Chemistr y-II	CO1	3	2	2	-	-	-	-	-	-	-	-
	CO2	3	-	-	-	-	-	-	-	-	-	-
	CO3	3	2	2	-	-	-	-	-	-	-	-
	CO4	3	-	-	-	-	-	-	-	-	-	-
	CO5	3	-	-	-	-	-	-	3	-	-	-
	Average course outcome 2.5	3	2	2	-	-	-	-	3	-	-	-
	PO attainment (2.05)	2.6 7	1.7 8	1.7 8	-	-	-	-	1.7 8	-	-	-

Course code/ Course name	Course outcome	Program Specific outcome				
		1	2	3	4	5
. Pharmacy- I Year (Semester system) Semester- II						
1.2.3 P Pharmaceuti cal Organic Chemistry- II	CO1	3	2	1	1	1
	CO2	3	1	2	1	1
	CO3	3	2	2	1	1
	CO4	3	1	2	1	1
	CO5	3	2	2	1	1
	Average course outcome (1.67)	3	1.6	1.88	1	1
	PSO attainment (1.50)	2.67	1.42	1.67	0.89	0.89

Sign. of subject teacher


(Mn. J.R. Jagtap)

**PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY
SASWAD, DIST-PUNE**

**Attainment Calculations of course outcomes 2020-21
Department of Pharmaceutics**

Class: S. Y. M. Pharm (Sem-III/IV)

Course code/ Course name	Course outcomes	Program outcomes										
		1	2	3	4	5	6	7	8	9	10	11
M. Pharmacy Sem-III/ IV (semester system)												
S. Y. M. Pharm (Sem-III/IV)	On the completion of Semester the students should be able to	3	3	3	3	1	2	3	3	2	-	3
	CO1 Present his/her work effectively											
	CO2 To understand and present the research article	3	3	3	3	1	2	3	3	2	-	3
	CO3 To plan and compile the synopsis	3	3	3	3	1	2	3	3	2	-	3
	CO-4 To develop experimental and laboratory skills	3	3	3	3	1	2	3	3	2	-	3
	Average = 1.87	3	3	3	3	1	2	3	3	2	-	3
	PO Attainment =	2.21	2.21	2.21	2.21	0.73	1.46	2.21	2.21	1.46	-	2.21



Sign of subject Teacher

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SASWAD, DIST-PUNE

Attainment Calculations of course outcomes 2020-21
Department of Pharmaceutics

Class: S. Y. M. Pharm (Sem-III/IV)

Course code/ Course name	Course outcomes	Programme Specific Outcomes				
		PSO-1	PSO-2	PSO-3	PSO-4	PSO-5
M.Pharm first Year (semester						
S. Y. M. Pharm (Sem-III/IV)	On the completion of Semester the students should be able to	3	3	3	3	3
	CO1 Present his/her work effectively					
	CO2 To understand and present the research article	3	3	3	3	3
	CO3 To plan and compile the synopsis	3	3	3	3	3
	CO-4 To develop experimental and laboratory skills	3	3	3	3	3
	Average =	3	3	3	3	3
	PO Attainment =	2.21	2.21	2.21	2.21	2.21


Sign of subject Teacher