



GRADUATE SCHOOL OF PHARMACY

GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat Under Gujarat Act No. 20 of 2007)

Program: B.Pharm

NOTICE/CIRCULAR

Ref. No.: GTU/GSP/2023/01/IC/105

Date: 11/01/2023

Guidelines for Internal Examination & Computing Internal Marks

Reference:

- a) Teaching & Examination Scheme issued by Gujarat Technological University (Annexure 1)

Theory:

1. GTU-Graduate School of Pharmacy shall conduct two internal tests in each semester.
2. 1st internal test may be scheduled during 5th to 6th weeks of the semester. 2nd internal test may be scheduled during 11th to 12th week of the semester.
3. The content of the course shall be divided preferably in six (06) course outcomes (COs) and each internal shall cover three (03) COs.
4. Each internal shall be of 45 marks with a duration of 90 minute for the subject having internal marks weightage of 20, and of 30 marks with a duration of 60 minute for the subject having internal marks weightage of 15.
5. The syllabus for each test shall be notified by the course coordinator as per Annexure 2.
6. Question paper is to be set by teachers teaching the course. Answer books are to be evaluated by teachers who have set the question paper.
7. Pattern of question paper shall be as indicated in Annexure 3A/3B for test of 45/30 marks.
8. Internal marks for theory subject shall be computed as per Annexure 4A (Weightage of internal Theory tests: 15 Marks; Weightage of Attendance & Student Teacher interaction: 05 Marks) or Annexure 4B (Weightage of internal Theory tests: 10 Marks; Weightage of Attendance & Student Teacher interaction: 05 Marks).
9. Internal result shall be declared within 7 day of exam completion.

Practical:

10. Graduate School of Pharmacy shall conduct one internal practical examination preferably during 13th to 14th week of the semester.
11. Practical examination will be conducted by the teachers teaching the practical subjects.
12. Internal practical examination shall be of 60 marks (Major: 30 Marks, Minor: 15 Marks, Viva: 15 Marks) with a duration of 4 hrs for the subject having internal marks weightage of 20, and

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of 40 marks (Major: 20 Marks, Minor: 10 Marks, Viva: 10 Marks) with a duration of 2 hrs for the subject having internal marks weightage of 15.

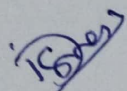
13. Internal marks for practical subject shall be computed as per Annexure 5A (Weightage of internal practical test: 15 Marks; Weightage of Attendance & Journal: 05 Marks) or Annexure 5B (Weightage of internal practical test: 10 Marks; Weightage of Attendance & Journal: 05 Marks).

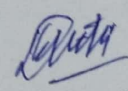
% Attendance and marks of attendance criterion as per the GTU-GSP

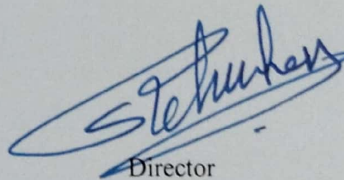
% OF ATTENDANCE	Marks (out of 8)	Marks (out of 5)
90 - 100	8	5
85 - 89	7	4.5
80-84	6	4
75-79	5	3.5
70-74	4	3
65-69	3	2.5
60-64	2	2
<60	1	1

Enclosure:

- Annexure 1 : Teaching & Examination Scheme issued by Gujarat Technological University
Annexure 2 : Syllabus Notification format
Annexure 3A/B : Question Paper format
Annexure 4A/B : Internal exam marksheet for Theory
Annexure 5A/B : Internal exam marksheet for Practical


Internal Exam Coordinator
GSP-GTU


Academic Coordinator
GSP-GTU


Director
GSP-GTU



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Annexure 1

Sem 1

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP101TP	Human Anatomy and Physiology I	Compulsory	1	3	1	4	6	80	20	20	80	200
BP102TP	Pharmaceutical Analysis I	Compulsory	1	3	1	4	6	80	20	20	80	200
BP103TP	Pharmaceutics I	Compulsory	1	3	1	4	6	80	20	20	80	200
BP104TP	Pharmaceutical Inorganic Chemistry	Compulsory	1	3	1	4	6	80	20	20	80	200
BP105TP	Communication Skills*	Compulsory	1	2	0	2	3	35	15	15	35	100
BP106TP	Remedial Biology*	Compulsory	1	2	0	2	3	35	15	15	35	100
BP107TT	Remedial Mathematics*	Compulsory	1	2	0	0	2	35	15	0	0	50

Sem 2

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP201TP	Human Anatomy and Physiology II	Compulsory	2	3	1	4	6	80	20	20	80	200
BP202TP	Pharmaceutical Organic Chemistry I	Compulsory	2	3	1	4	6	80	20	20	80	200
BP203TP	Pharmaceutical Engineering	Compulsory	2	3	1	4	6	80	20	20	80	200
BP204TP	Computer Applications in Pharmacy*	Compulsory	2	3	0	2	4	35	15	15	35	100
BP205TT	Environmental Sciences*	Compulsory	2	3	0	0	3	35	15	0	0	50

Sem 3

*L=lectures, T=tutorial, P=Practical, E=Theory External, M=Theory Internal, I=Practical Internal, V=Practical External, On Job Training (OJT) is equivalent to Practical

Sub code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP301TP	Pharmaceutical Organic Chemistry II	Compulsory	3	3	1	4	6	80	20	20	80	200
BP302TP	Physical Pharmaceutics I	Compulsory	3	3	1	4	6	80	20	20	80	200
BP303TP	Biochemistry	Compulsory	3	3	1	4	6	80	20	20	80	200
BP304TT	Pathophysiology	Compulsory	3	3	1	0	4	80	20	0	0	100
BP305TP	Pharmacognosy and Phytochemistry I	Compulsory	3	3	1	4	6	80	20	20	80	200





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Annexure 1

Sem 4

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP401TT	Pharmaceutical Organic Chemistry III	Compulsory	4	3	1	0	4	80	20	0	0	100
BP402TP	Medicinal Chemistry I	Compulsory	4	3	1	4	6	80	20	20	80	200
BP403TP	Physical Pharmaceutics II	Compulsory	4	3	1	4	6	80	20	20	80	200
BP404TP	Pharmacology I	Compulsory	4	3	1	4	6	80	20	20	80	200
BP405TT	Pharmaceutical Jurisprudence	Compulsory	4	3	1	0	4	80	20	0	0	100

Sem 5

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP501TT	Medicinal Chemistry II	Compulsory	5	3	1	0	4	80	20	0	0	100
BP502TP	Pharmacology II	Compulsory	5	3	1	4	6	80	20	20	80	200
BP503TP	Pharmacognosy and Phytochemistry II	Compulsory	5	3	1	4	6	80	20	20	80	200
BP504TP	Pharmaceutical Microbiology	Compulsory	5	3	1	4	6	80	20	20	80	200
BP505TT	Pharmaceutical Biotechnology	Compulsory	5	3	1	0	4	80	20	0	0	100
BP506TP	Contributor Personality Development Program	Compulsory	5	4	0	0	4	80	20	20	30	150
BP507TP	Integrated Personality Development Course	Compulsory	5	4	0	0	4	80	20	20	30	150

Sem 6

*L=lectures, T=tutorial, P=Practical, E=Theory External, M=Theory Internal, I=Practical Internal, V=Practical External, On Job Training (OJT) is equivalent to Practical

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP601TP	Medicinal Chemistry III	Compulsory	6	3	1	4	6	80	20	20	80	200
BP602TP	Pharmacology III	Compulsory	6	3	1	4	6	80	20	20	80	200
BP603TP	Herbal Drug Technology	Compulsory	6	3	1	4	6	80	20	20	80	200
BP604TT	Biopharmaceutics and Pharmacokinetics	Compulsory	6	3	1	0	4	80	20	0	0	100
BP605TP	Industrial Pharmacy I	Compulsory	6	3	1	4	6	80	20	20	80	200





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Annexure 1

Sem 7

*L=lectures, T=tutorial, P=Practical, E=Theory External, M=Theory Internal, I=Practical Internal, V=Practical External, On Job Training (OJT) is equivalent to Practical

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP701TP	Instrumental Methods of Analysis	Compulsory	7	3	1	4	6	80	20	20	80	200
BP702TT	Industrial Pharmacy II	Compulsory	7	3	1	0	4	80	20	0	0	100
BP703TT	Pharmacy Practice	Compulsory	7	3	1	0	4	80	20	0	0	100
BP704TT	Novel Drug Delivery System	Compulsory	7	3	1	0	4	80	20	0	0	100
BP705PP	Practice School	Compulsory	7	0	0	12	6	0	0	100	0	100
BP706TT	Quality Assurance	Compulsory	7	3	1	0	4	80	20	0	0	100

Sem 8

Sub Code	Subject Name	Category	Sem /Year	Hours			Credit Total	Max Marks				Total
				L.	T.	P.		E	M	I	V	
BP801TT	Biostatistics and Research Methodology	Compulsory	8	3	1	0	4	80	20	0	0	100
BP802TT	Social and Preventive Pharmacy	Compulsory	8	3	1	0	4	80	20	0	0	100
BP803TT	Pharma Marketing Management	Elective II	8	3	1	0	4	80	20	0	0	100
BP804TT	Pharmaceutical Regulatory science	Elective II	8	3	1	0	4	80	20	0	0	100
BP805TT	Pharmacovigilance	Elective I	8	3	1	0	4	80	20	0	0	100
BP806TT	Quality Control and standardization of Herbals	Elective I	8	3	1	0	4	80	20	0	0	100
BP807TT	Computer Aided Drug Design	Elective II	8	3	1	0	4	80	20	0	0	100
BP808TT	Cell and Molecular Biology	Elective II	8	3	1	0	4	80	20	0	0	100
BP809TT	Cosmetic Science	Elective I	8	3	1	0	4	80	20	0	0	100
BP810TT	Experimental Pharmacology	Elective I	8	3	1	0	4	80	20	0	0	100
BP811TT	Advanced Instrumentation Techniques	Elective II	8	3	1	0	4	80	20	0	0	100
BP812TT	Dietary Supplements and Nutraceuticals	Elective II	8	3	1	0	4	80	20	0	0	100
BP813PP	Project Work	Compulsory	8	0	0	12	6	0	0	50	100	150
BP814TT	Pharmaceutical Product Development	Elective I	8	3	1	0	4	80	20	0	0	100
BP815TT	Epidemiology	Elective I	8	3	1	0	4	80	20	0	0	100



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Annexure 2

Gujarat Technological University

Graduate School of Pharmacy

Academic Year:

B.Pharm, Semester: I

Date: DD/MM/YYYY

Notification

Syllabus of Mid Semester Examination 1

Subject Name:

Subject Code:

CO	Unit	Content	Name of Faculty

Course Coordinator



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Annexure 3A

Gujarat Technological University
Graduate School of Pharmacy
B. Pharm 1st Semester (A. Y.)
First Mid Semester Examination

Course Name:

Course Code:

Date: DD/MM/YYYY

Time: 11:00 AM to 12:30 PM

Maximum Marks: 45

Instruction:

1. All questions are compulsory.
2. Attend any three sub questions from each question.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

Question Number	Description	CO	Mark
1	(a)		05
	(b)		05
	(c)		05
	(d)		05
2	(a)		05
	(b)		05
	(c)		05
	(d)		05
3	(a)		05
	(b)		05
	(c)		05
	(d)		05

***** Best of Luck *****

Note:

- 1) Examiner is free to ask MCQ for 5 Marks
- 2) Question number 1 should be asked from same CO and same for other questions also.

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Annexure 3B

Gujarat Technological University
Graduate School of Pharmacy
B. Pharm 1st Semester (A. Y.)
First Mid Semester Examination

Course Name:

Course Code:

Date: DD/MM/YYYY

Time: 11:00 AM to 12:00 PM

Maximum Marks: 30

Instruction:

1. All questions are compulsory.
2. Attend any two sub questions from each question.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

Question Number	Description	CO	Mark
1	(a)		05
	(b)		05
	(c)		05
2	(a)		05
	(b)		05
	(c)		05
3	(a)		05
	(b)		05
	(c)		05

***** Best of Luck *****

Note:

- 1) Examiner is free to ask MCQ for 5 Marks
- 2) Question number 1 should be asked from same CO and same for other questions also.



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Annexure 4A

GUJARAT TECHNOLOGICAL UNIVERSITY											
GRADUATE SCHOOL OF PHARMACY											
B. PHARM/SEM-1/A. Y.											
MARKSHEET (THEORY)											
SUBJECT:											
SUBJECT CODE:											
Enrollm ent No.	Name of Student	Theory				Marks of attendance & Student-Teacher Interaction				Inter nal Mark s in Fract ion (f + j)	Inter nal Mar ks in Integ er (20)
		Test1 Marks (45)	Test 2 Marks (45)	Total Marks (90)	Marks out of (15)	Attend ance (08)	Stude nt- Teac her Inter actio n (02)	Sub Total (10) (g + h)	i/ 2 (0 5)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)

Annexure 4B

GUJARAT TECHNOLOGICAL UNIVERSITY											
GRADUATE SCHOOL OF PHARMACY											
B. PHARM/SEM-1/A. Y.											
MARKSHEET (THEORY)											
SUBJECT:											
SUBJECT CODE:											
Enroll ment No.	Name of Studen t	Theory				Marks of attendance & Student- Teacher Interaction				Inter nal Mark s in Fracti on (15) (f + j)	Inte rnal Ma rks in Inte ger (15)
		Test1 Marks (30)	Test 2 Marks (30)	Total Marks (60)	Marks out of (10)	Atten danc e (08)	Student- Teacher Interactio n (02)	Sub Total (10) (g + h)	i/2 (05)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)





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Annexure 5A

GUJARAT TECHNOLOGICAL UNIVERSITY									
GRADUATE SCHOOL OF PHARMACY									
B. PHARM/SEM-1/A. Y.									
MARKSHEET (PRACTICAL)									
SUBJECT:									
SUBJECT CODE:									
Enrollm ent No.	Name of Student	Practical		Marks of attendance & Journal				Internal Marks in Fraction (20) (d + h)	Inter nal Mar ks in Integ er (20)
		Test Marks (60)	Marks out of (15)	Attendan ce (05)	Jour nal (05)	Sub Total (10) (e + f)	g/2 (05)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)

Annexure 5B

GUJARAT TECHNOLOGICAL UNIVERSITY									
GRADUATE SCHOOL OF PHARMACY									
B. PHARM/SEM-1/A. Y.									
MARKSHEET (PRACTICAL)									
SUBJECT:									
SUBJECT CODE:									
Enrollm ent No.	Name of Student	Practical		Marks of attendance & Journal				Internal Marks in Fraction (15) (d + h)	Intern al Marks in Integer (15)
		Test Marks (40)	Marks out of (10)	Atten dance (05)	Journal (05)	Sub Total (10) (e + f)	g/2 (05)		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)



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