

CIRCULAR :-

A reference is invited to the Ordinances, Regulations and syllabi relating to the Bachelor of Pharmacy (B.Pharm.) degree course vide Pamphlet No.187 and to this office Circular No.UG/175 of 2007 and No.UG/414 of 2007 dated 3rd May, 2007 and 15th October, 2007 respectively and the Director, University of Mumbai Institute of Chemical Technology and the Principals of the affiliated colleges in Pharmacy are hereby informed that the recommendation made by the Ad-hoc Board of Studies in Pharmacy at its meeting held on 5th April, 2008 has been accepted by the Academic Council at its meeting held on 15th April, 2008 vide item No 4.39 and that, in accordance therewith, the scheme of examination (Sem.I to VIII) of the B.Pharm. degree course is modified as per Appendix and that the modified scheme will be brought into force with effect from the academic year 2008-2009.

MUMBAI-400 032
5th June, 2008

for REGISTRAR

To,

The Director, University of Mumbai Institute of Chemical Technology and the Principals of the affiliated colleges in Pharmacy.

AC/4.39/15.04.2008

No.UG/ 208-A of 2008, MUMBAI-400 032 5th June, 2008.

Copy forwarded with compliments for information to :-

- 1) The Dean, Faculty of Technology
- 2) The Chairman, Ad-hoc Board of Studies in Pharmacy.
- 3) The Controller of Examinations,
- 4) The Co-ordinator, University Computerization Center.

for REGISTRAR

Copy to :-

The Director, Board of College and University Development, , the Deputy Registrar (Eligibility and Migration Section), the Director of Students Welfare, the Executive Secretary to the Vice-Chancellor, the Personal Assistant to the Pro-Vice-Chancellor, the Registrar and the Assistant Registrar, Administrative sub-center, Ratnagiri for information.

The Controller of Examinations (10 copies), the Finance and Accounts Officer (2 copies), Record Section (5 copies), Publications Section (5 copies), the Deputy Registrar, Enrolment, Eligibility and Migration Section (3 copies), the Deputy Registrar, Statistical Unit (2 copies), the Deputy Registrar (Accounts Section), Vidyanagari (2 copies), the Deputy Registrar, Affiliation Section (2 copies), the Director, Institute of Distance Education, (10 copies) the Director University Computer Center (IDE Building), Vidyanagari, (2 copies) the Deputy Registrar (Special Cell), the Deputy Registrar, (PRO), the Assistant Registrar, Academic Authorities Unit (2 copies) and the Assistant Registrar, Executive Authorities Unit (2 copies). They are requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to in the above Circular and that no separate Action Taken Report will be sent in this connection. the Assistant Registrar Constituent Colleges Unit (2 copies), BUCT (1 copy), the Deputy Account, Unit V (1 copy), the In-charge Director, Centralize Computing Facility (1 copy), the Receptionist (1 copy), the Telephone Operator (1 copy), the Secretary MUASA (1 copy), the Superintendent, Post-Graduate Section (2 copies), the Superintendent, Thesis Section (2 copies).

UNIVERSITY OF MUMBAI



Modified Scheme of Examination
at the
B.Pharm.

Degree Course
(Semester - I to VIII)

(With effect from the academic year 2008-2009)

Scheme of Examinations for eight semesters of B. Pharm Course
 Name and number of heads of passing, number of papers, duration of examinations,
 maximum marks, minimum marks for passing, periodic tests, duration, maximum
 marks.

Annexure - I

SEMESTER - I

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Anatomy, Physiology & Pathophysiology - I	1	2	40	16	1	10	50	20
2	General Chemistry	1	2	40	16	1	10	50	20
3	Organic Chemistry - I	1	2	40	16	1	10	50	20
4	Physical Pharmacy - I	1	2	40	16	1	10	50	20
5	Pharmaceutics - I	1	2	40	16	1	10	50	20
6	Pharmaceutical Engineering - I	1	2	40	16	1	10	50	20

PRACTICALS

7	Organic Chemistry Laboratory - I	1	4	40	16	4	10	50	20
8	Physical Pharmacy Laboratory - I	1	4	40	16	4	10	50	20
9	Anatomy, Physiology & Pathophysiology Laboratory	1	4	40	16	4	10	50	20
Total Marks for the Semester					450				
Minimum marks for passing the semester					225				

SEMESTER - II

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Anatomy, Physiology & Pathophysiology - II	1	2	40	16	1	10	50	20
2	Organic Chemistry - II	1	2	40	16	1	10	50	20
3	Pharmaceutical Analysis - I	1	2	40	16	1	10	50	20
4	Physical Pharmacy - II	1	2	40	16	1	10	50	20
5	Pharmaceutics - II	1	2	40	16	1	10	50	20
6	Microbiology	1	2	40	16	1	10	50	20

PRACTICALS

7	Pharmaceutical Analysis Laboratory - I	1	4	40	16	4	10	50	20
8	Pharmaceutics Laboratory -I	1	4	40	16	4	10	50	20
9	Physical Pharmacy Laboratory - II	1	4	40	16	4	10	50	20
10	Microbiology Laboratory	1	4	40	16	4	10	50	20

Total Marks for the Semester
Minimum marks for passing the semester

500
250

SEMESTER - III

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Anatomy, Physiology & Pathophysiology - III	1	2	40	16	1	10	50	20
2	Organic Chemistry - III	1	2	40	16	1	10	50	20
3	Pharmaceutical Analysis- II	1	2	40	16	1	10	50	20
4	Biochemistry - I	1	2	40	16	1	10	50	20
5	Pharmaceutics - III	1	2	40	16	1	10	50	20
6	Pharmaceutical Engineering - II	1	2	40	16	1	10	50	20
7	Mathematics - I	1	2	40	16	1	10	50	20

PRACTICALS

8	Pharmaceutical Analysis Laboratory -II	1	4	40	16	4	10	50	20
9	Pharmaceutics Laboratory - II	1	4	40	16	4	10	50	20
10	Computer Laboratory	1	4	40	16	4	10	50	20

Total Marks for the Semester
Minimum marks for passing the semester

500
250

SEMESTER - IV

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Pharmacology - I	1	2	40	16	1	10	50	20
2	Organic Chemistry - IV	1	2	40	16	1	10	50	20
3	Biochemistry - II	1	2	40	16	1	10	50	20
4	Dispensing Pharmacy	1	2	40	16	1	10	50	20
5	Mathematics - II (Fundamentals of Statistics)	1	2	40	16	1	10	50	20
6	Psychology & Sociology	1	2	40	16	1	10	50	20
7	Anatomy, Physiology & Pathophysiology - IV	1	2	40	16	1	10	50	20

PRACTICALS

8	Organic Chemistry Laboratory - II	1	4	40	16	4	10	50	20
9	Dispensing Pharmacy Laboratory	1	4	40	16	4	10	50	20
10	Biochemistry Laboratory - I	1	4	40	16	4	10	50	20

Total Marks for the Semester
Minimum marks for passing the semester

500
250

SEMESTER - V

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Pharmaceutical & Medicinal Chemistry - I	1	2	40	16	1	10	50	20
2	Biochemistry - III	1	2	40	16	1	10	50	20
3	Pharmacognosy - I	1	2	40	16	1	10	50	20
4	Pharmaceutics - IV	1	2	40	16	1	10	50	20
5	Hospital Pharmacy & Drug Store Management	1	2	40	16	1	10	50	20
6	Pharmaceutical Biotechnology	1	2	40	16	1	10	50	20
7	Pharmacology - II	1	2	40	16	1	10	50	20

PRACTICALS

8	Pharmaceutical Chemistry Laboratory - I	1	4	40	16	4	10	50	20
9	Pharmaceutics Laboratory - III	1	4	40	16	4	10	50	20
10	Biochemistry Laboratory -II	1	4	40	16	4	10	50	20
11	Pharmaceutical Biotechnology Laboratory	1	4	40	16	4	10	50	20
Total Marks for the Semester					550				
Minimum marks for passing the semester					275				

SEMESTER - VI

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Pharmaceutical & Medicinal Chemistry - II	1	2	40	16	1	10	50	20
2	Pharmaceutical Analysis -III	1	2	40	16	1	10	50	20
3	Pharmacognosy - II	1	2	40	16	1	10	50	20
4	Pharmaceutics - V	1	2	40	16	1	10	50	20
5	Cosmeticology	1	2	40	16	1	10	50	20
6	Pharmaceutical Management	1	2	40	16	1	10	50	20
7	Pharmacology - III	1	2	40	16	1	10	50	20

PRACTICALS

8	Pharmacology Laboratory - I	1	4	40	16	4	10	50	20
9	Pharmacognosy Laboratory - I	1	4	40	16	4	10	50	20
10	Cosmeticology Laboratory	1	4	40	16	4	10	50	20

Total Marks for the Semester
Minimum marks for passing the semester

500
250

SEMESTER - VII

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Pharmaceutical & Medicinal Chemistry - III	1	2	40	16	1	10	50	20
2	Pharmaceutical Analysis -IV	1	2	40	16	1	10	50	20
3	Pharmacognosy - III	1	2	40	16	1	10	50	20
4	Pharmaceutics - VI	1	2	40	16	1	10	50	20
5	Biopharmaceutics & Pharmacokinetics	1	2	40	16	1	10	50	20
6	Pharmacology - IV	1	2	40	16	1	10	50	20

PRACTICALS

7	Pharmacology Laboratory - II	1	4	40	16	4	10	50	20
8	Pharmaceutical Chemistry Laboratory - II	1	4	40	16	4	10	50	20
9	Pharmacognosy Laboratory - II	1	4	40	16	4	10	50	20
10	Pharmaceutics Laboratory - IV	1	4	40	16	4	10	50	20
Total Marks for the Semester					500				
Minimum marks for passing the semester					250				

SEMESTER - VIII

THEORY PAPERS

Entry	Subject	No. of papers	Semester Examination			Periodic Test		Total Maximum Marks for Subject	Minimum Marks For Passing the Subject
			Duration (hours)	Maximum Marks	Minimum for passing	Duration (Hours)	Maximum Marks		
1	Pharmaceutical & Medicinal Chemistry - IV	1	2	40	16	1	10	50	20
2	Pharmaceutical Analysis - V	1	2	40	16	1	10	50	20
3	Pharmacognosy - IV	1	2	40	16	1	10	50	20
4	Pharmaceutics - VII	1	2	40	16	1	10	50	20
5	Novel Drug Delivery Systems	1	2	40	16	1	10	50	20
6	Forensic Pharmacy & Jurisprudence	1	2	40	16	1	10	50	20
7	Clinical Pharmacy & Drug Interactions	1	2	40	16	1	10	50	20

PRACTICALS

8	Pharmaceutics Laboratory - V	1	4	40	16	4	10	50	20
9	Pharmacognosy Laboratory - III	1	4	40	16	4	10	50	20
10	Pharmaceutical Analysis Laboratory - III	1	4	40	16	4	10	50	20

Total Marks for the Semester
Minimum marks for passing the semester

500
250

SUMMARY OF SYLLABUS

Annexure - II

FIRST YEAR B. PHARM

SEMESTER I

THEORY

No.	Subject	Hours/ Weeks	Maximum Marks
1	Anatomy, Physiology and Pathophysiology - I	3	50
2	General Chemistry	3	50
3	Organic Chemistry - I	3	50
4	Physical Pharmacy - I	3	50
5	Pharmaceutics - I	3	50
6	Pharmaceutical Engineering - I	3	50
		18	300

PRACTICALS

7	Organic Chemistry Laboratory - I	4	50
8	Physical Pharmacy Laboratory - I	4	50
9	Anatomy, Physiology & Pathophysiology Laboratory	4	50
		12	150

SEMESTER II

THEORY

No.	Subject	Hours/ Weeks	Maximum Marks
1	Anatomy, Physiology & Pathophysiology - II	3	50
2	Organic Chemistry - II	3	50
3	Pharmaceutical Analysis - I	3	50
4	Physical Pharmacy - II	3	50
5	Pharmaceutics - II	3	50
6	Microbiology	3	50
		18	300

PRACTICALS

7	Pharmaceutical Analysis Laboratory - I	4	50
8	Pharmaceutics Laboratory - I	4	50
9	Physical Pharmacy Laboratory - II	4	50
10	Microbiology Laboratory	4	50
		16	200

SECOND YEAR B. PHARM

SEMESTER III

THEORY			
No.	Subject	Hours / Weeks	Maximum Marks
1	Anatomy, Physiology & Pathophysiology-III	3	50
2	Organic Chemistry - III	3	50
3	Pharmaceutical Analysis- II	3	50
4	Biochemistry - I	3	50
5	Pharmaceutics - III	3	50
6	Pharmaceutical Engineering - II	3	50
7	Mathematics - I	3	50
		21	350

PRACTICALS			
8	Pharmaceutical Analysis Laboratory -II	4	50
9	Pharmaceutics Laboratory - II	4	50
10	Computer Laboratory	4	50
		12	150

SEMESTER IV

THEORY			
No.	Subject	Hours / Weeks	Maximum Marks
1	Pharmacology - I	3	50
2	Organic Chemistry - IV	3	50
3	Biochemistry - II	3	50
4	Dispensing Pharmacy	3	50
5	Mathematics - II (Fundamentals of statistics)	3	50
6	Psychology and Sociology	3	50
7	Anatomy, Physiology & Pathophysiology - IV	3	50
		21	350

PRACTICALS			
8	Organic Chemistry Laboratory - II	4	50
9	Dispensing Pharmacy Laboratory	4	50
10	Biochemistry Laboratory - I	4	50
		12	150

THIRD YEAR B. PHARM

SEMESTER V

THEORY			
No.	Subject	Hours / Weeks	Maximum Marks
1	Pharmaceutical & Medicinal Chemistry - I	3	50
2	Biochemistry - III	3	50
3	Pharmacognosy - I	3	50
4	Pharmaceutics - IV	3	50
5	Hospital Pharmacy & Drug Store Management	3	50
6	Pharmaceutical Biotechnology	3	50
7	Pharmacology - II	3	50
		21	350
PRACTICALS			
8	Pharmaceutical Chemistry Laboratory - I	4	50
9	Pharmaceutics Laboratory - III	4	50
10	Biochemistry Laboratory - II	4	50
11	Pharmaceutical Biotechnology Laboratory	4	50
		16	200

SEMESTER VI

THEORY			
No.	Subject	Hours / Weeks	Maximum Marks
1	Pharmaceutical & Medicinal Chemistry - II	3	50
2	Pharmaceutical Analysis - III	3	50
3	Pharmacognosy - II	3	50
4	Pharmaceutics - V	3	50
5	Cosmeticology	3	50
6	Pharmaceutical Management	3	50
7	Pharmacology - III	3	50
		21	350
PRACTICALS			
8	Pharmacology Laboratory - I	4	50
9	Pharmacognosy Laboratory - I	4	50
10	Cosmeticology Laboratory	4	50
		12	150

FINAL YEAR B. PHARM

SEMESTER VII

THEORY

No.	Subject	Hours/ Weeks	Maximum Marks
1	Pharmaceutical & Medicinal Chemistry - III	3	50
2	Pharmaceutical Analysis - IV	3	50
3	Pharmacognosy - III	3	50
4	Pharmaceutics - VI	3	50
5	Biopharmaceutics & Pharmacokinetics	3	50
6	Pharmacology - IV	3	50
		18	300

PRACTICALS

7	Pharmacology Laboratory - II	4	50
8	Pharmaceutical Chemistry Laboratory - II	4	50
9	Pharmacognosy Laboratory - II	4	50
10	Pharmaceutics Laboratory - IV	4	50
		16	200

SEMESTER VIII

THEORY

No.	Subject	Hours/ Weeks	Maximum Marks
1	Pharmaceutical & Medicinal Chemistry - IV	3	50
2	Pharmaceutical Analysis - V	3	50
3	Pharmacognosy - IV	3	50
4	Pharmaceutics - VII	3	50
5	Novel Drug Delivery Systems	3	50
6	Forensic Pharmacy & Jurisprudence	3	50
7	Clinical Pharmacy & Drug Interactions	3	50
		21	350

PRACTICALS

8	Pharmaceutics Laboratory - V	4	50
9	Pharmacognosy Laboratory - III	4	50
10	Pharmaceutical Analysis Laboratory - III	4	50
		12	150

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