

**Meerut Institute of Engineering and Technology
Meerut**



DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

EVALUATION SCHEME AND SYLLABI

For
Bachelor of Pharmacy II, III & IV Year

(On PCI Guidelines)

Effective from the Session: 2026-27

Affiliated With



Dr. A.P.J ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH

Sec-11, Jankipuram Vistar, Lucknow - 226031, Uttar Pradesh, India

Scheme of Evaluation
Bachelor of Pharmacy (B.Pharm.)

Semester III

Effective from the Session 2026-2027

Course Code	Name of the Course	No. of Hours/ week L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP301T	Pharmaceutical Organic Chemistry II–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP302T	Physical Pharmaceutics I–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP303T	Pharmaceutical Microbiology–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP304T	Pharmaceutical Engineering–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP306P	Physical Pharmaceutics I–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP307P	Pharmaceutical Microbiology–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP308P	Pharmaceutical Engineering–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
UVA301	Universal Human Values and Professional Ethics**	3	20	30	1Hr	50	100	3Hrs	150	2
MSE309	Pharmaceutical Design Thinking & Innovation	4	20	30	2Hr	50	---	---	50	2
Total		39	100	160	23Hrs	260	540	31Hrs	800	28

*The lateral entry students taking admission directly to second year shall compulsorily appear for and pass the Communications Skill Subject Examination in the Third Semester.

Human values & Professional Ethics will be offered as a **compulsory course for which passing marks shall be 30% in End Semester Examination and 40% in aggregate.

Scheme of Evaluation
Bachelor of Pharmacy (B.Pharm.)

Semester IV

Effective from the Session 2026-2027

Course Code	Name of the Course	No. of Hours/ week L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP401T	Pharmaceutical Organic Chemistry III–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP402T	Medicinal Chemistry I–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP403T	Physical Pharmaceutics II–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP404T	Pharmacology I–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP405T	Pharmacognosy I–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP406P	Medicinal Chemistry I–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP407P	Physical Pharmaceutics II–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP408P	Pharmacology I–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP409P	Pharmacognosy I–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
MVA410	Manuscript Writing	2	20	30	2Hrs	50	---	---	50	2
Total		38	90	145	23Hrs	235	515	31Hrs	750	30

*The lateral entry students taking admission directly to second year shall compulsorily appear for and pass the Computer Applications in Pharmacy Subject Examination in the Fourth Semester.

Scheme of Evaluation
Bachelor of Pharmacy (B.Pharm.)

Semester V

Effective from the Session 2027-2028

Course Code	Name of the Course	No .of Hours/ Week L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP501T	Medicinal Chemistry II–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP502T	Industrial Pharmacy I–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP503T	Pharmacology II–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP504T	Pharmacognosy and Phytochemistry	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP505T	Pharmaceutical Jurisprudence–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP506P	Industrial Pharmacy I–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP507P	Pharmacology II–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP509P	Report on Hospital Training	-	-	-	-	-	100	-	100	2
MVA510	VAC1Trends in Pharmaceutical Technology	2	20	30	2Hr	50	---	---	50	2
	VAC2 AIapplications in Pharmaceutical Sciences									
Total		34	85	135	19Hrs	220	580	27Hrs	800	30

Scheme of Evaluation
Bachelor of Pharmacy (B.Pharm.)

Semester VI

Effective from the Session 2027-2028

Course Code	Name of the Course	No. of Hours/ Week L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP601T	Medicinal Chemistry III–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP602T	Pharmacology III–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP603T	Herbal Drug Technology–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP604T	Biopharmaceutics and Pharmacokinetics–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP605T	Pharmaceutical Biotechnology–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP606T	Quality Assurance–Theory	3+1	10	15	1Hr	25	75	3Hrs	100	4
BP607P	Medicinal Chemistry III–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP608P	Pharmacology III–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
BP609P	Herbal Drug Technology–Practical	4	5	10	4Hrs	15	35	4Hrs	50	2
MSE611	Entrepreneurship and Startup in Pharmacy	4	50	-	2Hrs	50	---	---	50	2
Total		40	125	120	20Hrs	245	555	30Hrs	800	32

Scheme of Evaluation

Bachelor of Pharmacy (B.Pharm.)

Semester VII

Effective from the Session 2028-2029

Course Code	Name of the Course	No. of Hours/wk L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP701T	Instrumental Methods of Analysis–Theory	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP702T	Industrial Pharmacy II–Theory	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP703T	Pharmacy Practice–Theory	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP704T	Novel Drug Delivery System (NDDS)–Theory	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP705P	Instrumental Methods of Analysis/NDDS –Practical	4	5	10	4 Hrs	15	35	4 Hrs	50	2
BP706PS	Practice School	12	50	100	5 Hrs	150	—	—	150	6
BP707P	Report on Industrial Training	—	—	100	—	—	—	—	100	2
MAE708	Research Paper Presentation	2	50	—	—	50	—	—	50	2
Total		34	145	270	13 Hrs	315	335	16 Hrs	750	28

Scheme of Evaluation

Bachelor of Pharmacy (B.Pharm.)

Semester VIII

Effective from the Session 2028-2029

Course Code	Name of the Course	No. of Hours/ wk L+T	Mid Term Examination				End Semester Examination		Total Marks	Credit Points
			Continuous Mode	Sessional Exams		Total	Marks	Duration		
				Marks	Duration					
BP801T	Biostatistics and Research Methodology	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP802T	Social and Preventive Pharmacy	3+1	10	15	1 Hr	25	75	3 Hrs	100	4
BP803ET	Pharma Marketing Management*	3+3 =6	10+10 =20	15+15 = 30	1+1 = 2 Hrs	25+25= 50	75+75 =150	3+3 =6 Hrs	100 +100 =200	4+4 = 8
BP804ET	Pharmaceutical Regulatory Science*									
BP805ET	Pharmacovigilance*									
BP806ET	Quality Control and Standardization of Herbal*									
BP807ET	Computer Aided Drug Design*									
BP808ET	Cell and Molecular Biology*									
BP809ET	Cosmetic Science*									
BP810ET	Experimental Pharmacology*									
BP811ET	Advanced Instrumentation Techniques*									
BP812ET	Dietary Supplements and Nutraceuticals*									
BP813ET	Pharmaceutical Product Development*									
BP814PW	Project Work (On Elective)	12	-	-	-	-	150	4 Hrs	150	6
BP815P	Report on Industrial Visit**	-	-	100	-	100	-	-	-	0
Total		26	40	160	4 Hrs	200	450	16 Hrs	550	22

*(ET: Elective subject) Every candidate has to opt for two of the elective subjects, and has to carry out project on any one of them.

**The Industrial Tour may be performed at the end of the 7th semester.

EVALUATION SCHEME
B. Pharm. Semester wise credits distribution

Semester	Credit Points
I	29 ^{\$} /30 [#]
II	30
III	28
IV	30
V	30
VI	32
VII	28
VIII	22
Total credit points for the program	229^{\$}/230[#]

^{\$}Applicable ONLY for the students studied Physics/ Chemistry/ Botany/ Zoology at HSC and appearing for Remedial Mathematics course.

[#]Applicable ONLY for the students studied Mathematics/ Physics / Chemistry at HSC and appearing for Remedial Biology course.