

School of Pharmacy and Life Sciences

Academic Regulations

B. Pharm. Degree Programmes



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CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT

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AY: 2017-18

CHAPTER- I: REGULATIONS

1. Short Title and Commencement

These regulations shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS) of Guru Nanak Institutions Technical Campus (Autonomous)”. They shall come into effect from the Academic Year 2017-18. The regulations framed are subject to modifications from time to time by Guru Nanak Institutions Technical Campus (Autonomous).

2. Minimum qualification for admission

2.1 First year B. Pharm:

Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Admission to the four-year B. Pharm course shall be made on the basis of merit/rank obtained by the qualifying candidate by the entrance test conducted by the TSEAMCET or on the basis of any other order of merit approved by the state council of Higher Education subject to Reservation as prescribed by the Government from time to time.

2.2 B. Pharm lateral entry (to third semester):

A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

Admission to the three-year B. Pharm lateral entry course shall be made on the basis of merit/rank obtained by the qualifying candidate by the entrance test conducted by the TSECET or on the basis of any other order of merit approved by the state council of Higher Education subject to Reservation as prescribed by the Government from time to time.

3. Duration of the program

The course of study for B. Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semester shall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in individual courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.

7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7.1. Credit assignment

7.1.1. Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

7.2. Minimum credit requirements

The minimum credit points required for award of a B. Pharm. degree is 208. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

8. Academic work

A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

9. Course of Study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for Semester-I

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT1101	Human Anatomy and Physiology I– Theory	3	1	4
BPHT1102	Pharmaceutical Analysis – Theory	3	1	4
BPHT1103	Pharmaceutics I – Theory	3	1	4
BPHT1104	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BPHT1105	Communication skills – Theory*	2	-	2
BPHT1106/ BPHT1107	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BPHL1101	Human Anatomy and Physiology – Practical	4	-	2
BPHL1102	Pharmaceutical Analysis – Practical	4	-	2
BPHL1103	Pharmaceutics I – Practical	4	-	2
BPHL1104	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BPHL1105	Communication skills – Practical*	2	-	1
BPHL1106	Remedial Biology – Practical*	2	-	1
Total		32/34[§]/36[#]	04	27/29[§]/30[#]

#Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

§Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)

Table-II: Course of study for semester-II

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT1201	Human Anatomy and Physiology II – Theory	3	1	4
BPHT1202	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BPHT1203	Biochemistry – Theory	3	1	4
BPHT1204	Pathophysiology – Theory	3	1	4
BPHT1205	Computer Applications in Pharmacy – Theory*	3	-	3
BPHT1206	Environmental sciences – Theory*	3	-	3
BPHL1201	Human Anatomy and Physiology II –Practical	4	-	2
BPHL1202	Pharmaceutical Organic Chemistry I– Practical	4	-	2
BPHL1203	Biochemistry – Practical	4	-	2
BPHL1204	Computer Applications in Pharmacy – Practical*	2	-	1
Total		32	4	29

Table-III: Course of study for semester-III

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT2101	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BPHT2102	Physical Pharmaceutics I – Theory	3	1	4
BPHT2103	Pharmaceutical Microbiology – Theory	3	1	4
BPHT2104	Pharmaceutical Engineering – Theory	3	1	4
BPHL2101	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BPHL2102	Physical Pharmaceutics I – Practical	4	-	2
BPHL2103	Pharmaceutical Microbiology – Practical	4	-	2
BPHL2104	Pharmaceutical Engineering –Practical	4	-	2
Total		28	4	24

Table-IV: Course of study for semester-IV

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT2201	Pharmaceutical Organic Chemistry III– Theory	3	1	4
BPHT2202	Medicinal Chemistry I– Theory	3	1	4
BPHT2203	Physical Pharmaceutics II – Theory	3	1	4
BPHT2204	Pharmacology I – Theory	3	1	4
BPHT2205	Pharmacognosy and Phytochemistry I– Theory	3	1	4
BPHL2201	Medicinal Chemistry I – Practical	4	-	2
BPHL2202	Physical Pharmaceutics II – Practical	4	-	2
BPHL2203	Pharmacology I – Practical	4	-	2
BPHL2204	Pharmacognosy and Phytochemistry I – Practical	4	-	2
Total		31	5	28

Table-V: Course of study for Semester-V

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT3101	Medicinal Chemistry II – Theory	3	1	4
BPHT3102	Industrial Pharmacy I– Theory	3	1	4
BPHT3103	Pharmacology II – Theory	3	1	4
BPHT3104	Pharmacognosy and Phytochemistry II– Theory	3	1	4
BPHT3105	Pharmaceutical Jurisprudence – Theory	3	1	4
BPHL3101	Industrial Pharmacy I – Practical	4	-	2
BPHL3102	Pharmacology II – Practical	4	-	2
BPHL3103	Pharmacognosy and Phytochemistry II – Practical	4	-	2
Total		27	5	26

Table-VI: Course of study for semester-VI

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT3201	Medicinal Chemistry III – Theory	3	1	4
BPHT3202	Pharmacology III – Theory	3	1	4
BPHT3203	Herbal Drug Technology – Theory	3	1	4
BPHT3204	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BPHT3205	Pharmaceutical Biotechnology – Theory	3	1	4
BPHT3206	Pharmaceutical Quality Assurance –Theory	3	1	4
BPHL3201	Medicinal Chemistry III – Practical	4	-	2
BPHL3202	Pharmacology III – Practical	4	-	2
BPHL3203	Herbal Drug Technology – Practical	4	-	2
Total		30	6	30

Table-VII: Course of study for semester-VII

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT4101	Instrumental Methods of Analysis – Theory	3	1	4
BPHT4102	Industrial Pharmacy II – Theory	3	1	4
BPHT4103	Pharmacy Practice – Theory	3	1	4
BPHT4104	Novel Drug Delivery System – Theory	3	1	4
BPHL4101	Instrumental Methods of Analysis – Practical	4	-	2
BPHL4102	Practice School*	12	-	6
Total		28	5	24

Table-VIII: Course of study for semester-VIII

Course Code	Name of the Course	No. of hours	Tutorial	Credit Points
BPHT4201	Biostatistics and Research Methodology	3	1	4
BPHT4202	Social and Preventive Pharmacy	3	1	4
BPHT4203	Pharma Marketing Management	3+3=6	1+1=2	4+4=8
BPHT4204	Pharmaceutical Regulatory Science			
BPHT4205	Pharmacovigilance			
BPHT4206	Quality Control and Standardizations of Herbals			
BPHT4207	Computer Aided Drug Design			
BPHT4208	Cell and Molecular Biology			
BPHT4209	Cosmetic Science			
BPHT4210	Experimental Pharmacology			
BPHT4211	Advanced Instrumentation Techniques			
BPHT4212	Dietary Supplements and Nutraceutical			
BPHP4201	Project Work	12	-	6
Total		24	4	22

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27/29 [§] /30 [#]
II	29
III	24
IV	28
V	26
VI	30
VII	24
VIII	22
Extracurricular/ Co curricular activities	01 [*]
Total credit points for the program	211/213[§]/214[#]

*The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the university from time to time.

[§]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.

10. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.
2. The composition of the Program Committee shall be as follows:

A senior teacher shall be the Chairperson; One Teacher from each department handling B. Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

3. Duties of the Program Committee:
 - i. Periodically reviewing the progress of the classes.
 - ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
 - iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
 - iv. Communicating its recommendation to the Head of the institution on academic matters.
 - v. The Program Committee shall meet at least thrice in a semester preferably at the end of each Sessional exam (Internal Assessment) and before the end semester exam.

11. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table – X.

11.1 End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterisk symbol (*) in table I and II for which examinations shall be conducted by the subject experts at university/college level and the marks/grades shall be submitted to the university.

Tables-X: Schemes for internal assessments and end semester examinations semester wise

Semester I

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT1101	Human Anatomy and Physiology I– Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1102	Pharmaceutical Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1103	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1104	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1105	Communication skills – Theory *	5	10	1 Hr	15	35	1.5 Hrs	50
BPHT1106/ BPHT1107	Remedial Biology/ Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
BPHL1101	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1102	Pharmaceutical Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1103	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1104	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1105	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BPHL1106	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
TOTAL		70/75^{\$/}80[#]	115/125^{\$/}130[#]	23/24^{\$/}26[#] Hrs	185/200^{\$/}210[#]	490/525^{\$/} 540[#]	31.5/33^{\$/} 35[#] Hrs	675/725^{\$/} 750[#]

Semester II

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT1201	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1202	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1203	Biochemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1204	Pathophysiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT1205	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	75	2 Hrs	75
BPHT1206	Environmental sciences – Theory*	10	15	1 Hr	25	75	2 Hrs	75
BPHL1201	Human Anatomy and Physiology II –Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1202	Pharmaceutical Organic Chemistry I– Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1203	Biochemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL1204	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
TOTAL		80	125	20 Hrs	205	520	30 Hrs	725

* The subject experts at college level shall conduct examinations

Semester III

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT2101	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2102	Physical Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2103	Pharmaceutical Microbiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2104	Pharmaceutical Engineering – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHL2101	Pharmaceutical Organic Chemistry II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2102	Physical Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2103	Pharmaceutical Microbiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2104	Pharmaceutical Engineering – Practical	5	10	4 Hrs	15	35	4 Hrs	50
TOTAL		60	100	20 Hrs	160	440	28 Hrs	600

Semester IV

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT2201	Pharmaceutical Organic Chemistry III– Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2202	Medicinal Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2203	Physical Pharmaceutics II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2204	Pharmacology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT2205	Pharmacognosy –I Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHL2201	Medicinal Chemistry I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2202	Physical Pharmaceutics II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2203	Pharmacology I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL2204	Pharmacognosy I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
TOTAL		70	115	21 Hrs	185	515	31 Hrs	700

Semester V

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT3101	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3102	Industrial Pharmacy I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3103	Pharmacology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3104	Pharmacognosy II– Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3105	Pharmaceutical Jurisprudence – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHL3101	Industrial Pharmacy I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL3102	Pharmacology II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL3103	Pharmacognosy II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
TOTAL		65	105	17 Hr	170	480	27 Hrs	650

Semester VI

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT3201	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3202	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3203	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3204	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3205	Pharmaceutical Biotechnology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT3206	Pharmaceutical Quality Assurance – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHL3201	Medicinal Chemistry III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL3202	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL3203	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
TOTAL		75	120	18 Hrs	195	555	30 Hrs	750

Semester VII

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT4101	Instrumental Methods of Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT4102	Industrial Pharmacy II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT4103	Pharmacy Practice – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHT4104	Novel Drug Delivery System – Theory	10	15	1 Hr	25	75	3 Hrs	100
BPHL4101	Instrumental Methods of Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BPHL4102	Practice School*	25	-	-	25	125	5 Hrs	150
TOTAL		70	70	8 Hrs	140	460	21 Hrs	600

* The subject experts at college level shall conduct examinations

Semester VIII

Course Code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exam Duration	Total	Marks	Duration	
BPHT4201	Biostatistics and Research Methodology	10	15	1 Hr	25	75	3 Hrs	100
BPHT4202	Social and Preventive Pharmacy	10	15	1 Hr	25	75	3 Hrs	100
BPHT4203	Pharma Marketing Management	10+10=20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
BPHT4204	Pharmaceutical Regulatory Science							
BPHT4205	Pharmacovigilance							
BPHT4206	Quality Control and Standardizations of Herbals							
BPHT4207	Computer Aided Drug Design							
BPHT4208	Cell and Molecular Biology							
BPHT4209	Cosmetic Science							
BPHT4210	Experimental Pharmacology							
BPHT4211	Advanced Instrumentation Techniques							
BPHT4212	Dietary Supplements and Nutraceutical							
BPHP4201	Project Work	-	-	-	-	150	4 Hrs	150
TOTAL		40	60	4 Hrs	100	450	21 Hrs	550

* The subject experts at college level shall conduct examinations

11.2. Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI: Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5

Practical	
Attendance (Refer Table – XII)	2
Based on Practical Records, Regular viva voce, etc.	3
Total	5

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1. Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the university/college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly, Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations

For subjects having University examination

Category	Particulars	Marks Distribution
I	Multiple Choice Questions (MCQs) OR Objective type Questions (Answer all the questions)	10 X 1=10 OR 05 X 2=10
II	Long Answers (Answer 1 out of 2)	1 X 10 =10
III	Short Answers (Answer 2 out of 3)	2 X5= 10

Total	30 Marks
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For subjects having Non University Examination

Category	Particulars	Marks Distribution
I	Long Answers (Answer 1 out of 2)	10 X 1=10
II	Short Answers (Answer 4 out of 6)	4 X 5 =20
Total		30 Marks

Question paper pattern for practical Sessional examinations

Category	Particulars	Marks Distribution
I	Synopsis	10
II	Experiments	25
III	Viva voce	05
Total		40 Marks

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B.Pharm. Program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However, his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Re-examination of end semester examinations

Reexamination of end semester examination shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November / December	May / June
II, IV, VI and VIII	May / June	November / December

Question paper pattern for end semester theory examinations

For 75 marks paper

Category	Particulars	Marks Distribution
I	Multiple Choice Questions (MCQs) OR Objective Type Questions (10 x 2) (Answer all the questions)	20 X 1=20 OR 10 x 2=20
II	Long Answers (Answer 2 out of 3)	2 X 10 =20
III	Short Answers (Answer 7 out of 9)	7 X5= 35
Total		75 Marks

For 50 marks paper

Category	Particulars	Marks Distribution
I	Long Answers (Answer 2 out of 3)	2 X 10 =20
II	Short Answers (Answer 6 out of 8)	6 X5= 30
Total		50 Marks

For 35 marks paper

Category	Particulars	Marks Distribution
I	Long Answers (Answer 1 out of 2)	1 X 10 =10
II	Short Answers (Answer 5 out of 7)	5 X5= 25
Total		35 Marks

Question paper pattern for end semester practical examinations

Category	Particulars	Marks Distribution
I	Synopsis	5
II	Experiments	25
III	Viva voce	5
Total		35 Marks

16. Academic Progression:

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. Academic progression rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I, II and III semesters till the IV semester examinations. However, he/she shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.

A student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the norms specified in 26.

A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.

A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.

A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms specified in 26.

Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17. Grading of performances

17.1 Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

Table – XIV: Letter grades and grade points equivalent to Percentage of marks and performances

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called ‘Semester Grade Point Average’ (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C1, C2, C3, C4 and C5 and the student’s grade points in these courses are G1, G2, G3, G4 and G5, respectively, and then students’ SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example, if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 * \text{ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C1, C2, C3,.... is the total number of credits for semester I,II,III,.... and S1,S2, S3,....is the SGPA of semester I,II,III,....

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction = CGPA of. 7.50 and above

First Class = CGPA of 6.00 to 7.49

Second Class = CGPA of 5.00 to 5.99

21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

Particulars	Marks Distribution
Objective(s) of the work done	15 Marks
Methodology adopted	20 Marks
Results and Discussions	20 Marks
Conclusions and Outcomes	20 Marks
Total	75 Marks

Evaluation of Presentation:

Particulars	Marks Distribution
Presentation of work	25 Marks
Communication skills	20 Marks
Question and answer skills	30 Marks
Total	75 Marks

Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the

student through practice school shall be evaluated by the subject experts at university/college level and grade point shall be awarded.

24. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B. Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm program in minimum prescribed number of years, (four years) for the award of Ranks.

25. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

26. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

27. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.

No condonation is allowed for the candidate who has more than 2 years of break up period and he/she has to rejoin the program by paying the required fees.
