



**BAREILLY INTERNATIONAL UNIVERSITY,
BAREILLY**

ORDINANCE

**Course: - B.Pharm
(Bachelor of Pharmacy)**

**BIU COLLEGE OF PHARMACY
BAREILLY INTERNATIONAL UNIVERSITY, BAREILLY
PILIBHIT BYPASS ROAD, BAREILLY – 243006 (U.P.) INDIA**

BAREILLY INTERNATIONAL UNIVERSITY
Ordinance effective from session 2019-20
Bachelor of Pharmacy (B.Pharm)

Scope

This ordinance shall apply to the program leading to Bachelor of Pharmacy degree.

Eligibility for Admission (1st year of the Program):

A candidate seeking admission to Bachelor of Pharmacy should have passed 10+2 level examination 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.

A candidate must have obtained minimum 45% marks in the qualifying examination. The candidate belongs to the schedule cast and the schedule tribe must have obtained minimum 40 % instead of 45%.

The minimum age for admission shall be 17 years as on 31st December of the year in which admission is sought.

A candidate shall have to be medically fit.

Eligibility for admission directly to 2nd yr (lateral Entry):

A Candidate(s) having completed two years Diploma in Pharmacy course from any institution recognized by Pharmacy council of India and got registered with State Pharmacy Council shall be eligible for direct admission to second year of Bachelor of Pharmacy course.

Program Duration:

- a) The duration of the program leading to the award of Bachelor of Pharmacy degree shall be of four academic years
- b) The maximum duration for successfully completion of program shall not exceed Eight years.

Annual Intake:

- a) The annual intake to 1st year of the program shall be as approved by the executive council of the university subject to intake approved by Pharmacy Council of India.

Medium of Instruction:

- a) The medium of instruction for all subjects of study and examination shall be English.

Organization of the Program:

- a) Each academic year shall comprise of two parts. First part shall be termed as odd semester and second part as even semester.
- b) There shall be minimum 100 working days devoted to academic activities, including end semester university examination and their preparations.

- c) The academic activities shall be carried for minimum 36 hrs per week.
- d) The syllabi of the program shall contain subject-wise content details, semester-wise duly approved by Faculty Board and shall be published separately.
- e) The academic activities for subject given below shall be conducted semester-wise:

Semester I: Human Anatomy and Physiology I Pharmaceutical Analysis I Pharmaceutics I Pharmaceutical Inorganic Chemistry Communication skills Remedial Biology/ Mathematics	Semester II: Human Anatomy and Physiology II Pharmaceutical Organic Chemistry I Biochemistry Pathophysiology Computer Applications in Pharmacy Environmental sciences
Semester III : Pharmaceutical Organic Chemistry II Physical Pharmaceutics-I Pharmaceutical Microbiology Pharmaceutical Engineering	Semester IV : Pharmaceutical Organic Chemistry III Medicinal Chemistry I Physical Pharmaceutics II Pharmacology I Pharmacognosy & Phytochemistry I
Semester V: Medicinal Chemistry II Industrial Pharmacy I Pharmacology II – Pharmacognosy & Phytochemistry II Pharmaceutical Jurisprudence	Semester VI: Medicinal Chemistry III Pharmacology III Herbal Drug Technology Biopharmaceutics and Pharmacokinetics Pharmaceutical Biotechnology Pharmaceutical Quality Assurance
Semester VII: Instrumental Methods of Analysis Industrial Pharmacy II Pharmacy Practice Drug Delivery System	Semester VIII: Biostatistics and Research Methodology Social and Preventive Pharmacy Elective -I Elective II Project Work
Elective: Pharma Marketing Management/ Pharmaceutical Regulatory Science / Pharmacovigilance / Quality Control and Standardizations of Herbals Computer Aided Drug Design/ Cell and Molecular Biology/ Cosmetic Science Experimental Pharmacology/ Advanced Instrumentation Techniques Dietary Supplements and Nutraceuticals	

Industrial Training :

After completion of 3rd year academics each student shall undertake 4 weeks industrial training. During training student has to work for at least 150 hrs in a Pharmaceutical Industry / hospital. Student shall submit training report and certificate duly signed by the authority of training organization to the head of the institute.

Practice School :

During 7th semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student will be assigned a domains for

practice school by the Institute. Student is required to submit a report of practice school before the commencement of 7th Semester examination. The report will be evaluated by the subject experts at college level and assessment grade shall be recorded in the 7th semester result.

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 8th semester. The project shall be submitted in triplicate duly typed & bound copy. The evaluation shall be the part of final semester result.

Evaluation Scheme:

- A student's performance will be evaluated through end term examination held at the end of each semester.
- In addition, the continued evaluation of the student shall be made by way of class participation, class-test and assignments. The internal assessment shall be the part of total evaluation.
- The distribution of marks for the subjects shall be as per the scheme below.

Semester I

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Human Anatomy and Physiology I-	25	75	100
2	Pharmaceutical Analysis I	25	75	100
3	Pharmaceutics I	25	75	100
4	Pharmaceutical Inorganic Chemistry	25	75	100
Practical				
5	Human Anatomy and Physiology I-	15	35	50
6	Pharmaceutical Analysis I	15	35	50
7	Pharmaceutics I	15	35	50
8	Pharmaceutical Inorganic Chemistry	15	35	50
Total				600
Subsidiary Subject				
9	Communication skills*	15	35	50
10	Remedial Biology/Remedial Mathematics Theory *	15	35	50
11	Communication skills*	10	15	25
12	Remedial Biology Practical *	10	15	25

* Students studied Mathematics / Physics / Chemistry at 10+2 shall study Biology and students studied Physics/ Chemistry / Botany / Zoology at 10+2 shall study Mathematics.

All Subsidiary examination shall be non University examination only and will not be part of grand total.

Semester II

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Human Anatomy and Physiology II	25	75	100
2	Pharmaceutical Organic Chemistry I	25	75	100
3	Biochemistry-	25	75	100
4	Pathophysiology	25	75	100
Practical				
5	Human Anatomy and Physiology II	15	35	50
6	Pharmaceutical Organic Chemistry I	15	35	50
7	Biochemistry	15	35	50
	Total			550
Subsidiary Subject				
8	Computer Applications in Pharmacy-Th.	25	50	75
9	Environmental sciences Theory	25	50	75
10	Computer Applications in Pharmacy Pr.	10	15	25

All Subsidiary examination shall be non University examination only and will not be part of grand total

Semester III

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Pharmaceutical Organic Chemistry II	25	75	100
2	Physical Pharmaceutics-I	25	75	100
3	Pharmaceutical Microbiology	25	75	100
4	Pharmaceutical Engineering	25	75	100
Practical				
5	Pharmaceutical Organic Chemistry II	15	35	50
6	Physical Pharmaceutics-I	15	35	50
7	Pharmaceutical Microbiology	15	35	50
8	Pharmaceutical Engineering	15	35	50
	Total			600

Semester IV

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Pharmaceutical Organic Chemistry III	25	75	100
2	Medicinal Chemistry I	25	75	100
3	Physical Pharmaceutics II	25	75	100
4	Pharmacology I	25	75	100
5	Pharmacognosy & Phytochemistry I	25	75	100
Practical				
6	Medicinal Chemistry I	15	35	50
7	Physical Pharmaceutics II	15	35	50
8	Pharmacology I	15	35	50
9	Pharmacognosy & Phytochemistry I	15	35	50
	Total			700

Semester V

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Medicinal Chemistry II	25	75	100
2	Industrial Pharmacy I	25	75	100
3	Pharmacology II	25	75	100
4	Pharmacognosy & Phytochemistry II	25	75	100
5	Pharmaceutical Jurisprudence	25	75	100
Practical				
6	Industrial Pharmacy I	15	35	50
7	Pharmacology II	15	35	50
8	Pharmacognosy & Phytochemistry II	15	35	50
Total				650

Semester VI

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Medicinal Chemistry III	25	75	100
2	Pharmacology III	25	75	100
3	Herbal Drug Technology	25	75	100
4	Biopharmaceutics and Pharmacokinetics	25	75	100
5	Pharmaceutical Biotechnology	25	75	100
6	Quality Assurance	25	75	100
Practical				
7	Medicinal Chemistry III	15	35	50
8	Pharmacology III	15	35	50
9	Herbal Drug Technology	15	35	50
Total				750

Semester VII

Sl	Subject	Internal Assessment	Examination	Total
Theory				
1	Instrumental Methods of Analysis	25	75	100
2	Industrial Pharmacy II	25	75	100
3	Pharmacy Practice	25	75	100
4	Novel Drug Delivery System	25	75	100
Practical				
5	Instrumental Methods of Analysis	15	35	50
6	Practice School*	25	125	150
Total				600

* The subject experts at college level shall conduct examinations.

Semester VIII

Sl	Subject	Internal Assessment	Examination	Total
1	Biostatistics and Research Methodology	25	75	100
2	Social and Preventive Pharmacy	25	75	100
3	Elective I	25	75	100
4	Elective II	25	75	100
5	Project work		150	150
	Total			550

d) Electives

Pharma Marketing Management
 Pharmacovigilance
 Cell and Molecular Biology
 Experimental Pharmacology
 Dietary Supplements and Nutraceuticals

Pharmaceutical Regulatory Science
 Computer Aided Drug Design
 Cosmetic Science
 Advanced Instrumentation Techniques
 Quality Control & Standardizations of Herbals

Attendance:

- Each student is normally required to attend all the lectures and practical of every subject as well as the curricular and co-curricular activities.
- A student shall be eligible to appear in the end semester University examination provided he must have minimum 80 % attendance in each subject for appearing in the examination. In special circumstances, short-fall in attendance can be condoned on case's merit to the extent of 5% by the Principal. If the short-fall is more than 5%, but not more than 10%, the Principal may recommend on case's merit to the Vice Chancellor for condonation. The order of Vice Chancellor shall be final.

Examinations:

- In an academic year, at the end of each Semester University examination shall be held.
- The question papers shall be get prepared from the panel of examiners for paper setting subject-wise duly approved by Faculty Board subject wise. In no case more than 75% question papers of a semester will be get set from internal examiners.
- For subsidiary subject, question paper setting and evaluation shall be done at college level. However marks obtained and the examination record shall be submitted to University.
- The evaluation of answer books shall be made by examiners from the panel of examiners duly approved by Faculty Board subject-wise. In no case more than 75% internal examiners shall be involved for evaluation of answer-books of a semester.

- e) The evaluation of project work shall be done by the panel of examiners consists of one internal and one external examiner from the list of experts duly approved by Faculty Board.
- f) A student shall be promoted to 5th semester (3rd year) only after clearing all the back /failed subjects of 1st to 2nd semesters.
- g) A student shall be promoted to 7th semester (4th year) only after clearing all the back /failed subjects of 3rd to 4th semesters.
- h) A student shall be allowed to appear in 8th semester examination but the result will be announced only after clearing all the back/failed subjects of 4th to 6th semester.
- i) There will not be any separate back paper examination for 1st to 6th semester subjects. However, special carry over examinations will be conducted to clear back paper of 7th and 8th semesters within two months of declaration of 8th semester result.

Qualifying Standards:

- a) Minimum qualifying marks for each subject shall be 50% in aggregate of examination excluding subsidiary subjects. Minimum qualifying marks for subsidiary subject shall be 50%.
- b) The marks obtained in external examination and internal assessment of the subject shall be added to compute subject percentage.

Promotional Rules:

- a) A student satisfying the qualifying standard of all the subjects shall be declared pass in the semester examination.
- b) A student failing to satisfy the qualifying standards of one or more subjects in a semester shall be declared as promoted with back papers and shall be permitted to pursue course work of next semester and clear back papers in the subsequent University examination.
- c) A student, if in conjunction of grace marks, satisfy the qualifying standards of all the subjects of the semester shall be declared as 'Pass with grace marks'.
- d) If a student, for any reason, fails to appear in the examination, he or she shall be declared fail and will not be promoted to the next semester. Such a student will be permitted to appear as ex-student during the subsequent examination.

Grace Marks :

- a) A student fail to satisfy on his own, the qualifying standards prescribed to be declared pass in the semester examination can be awarded 'Grace Marks' not exceeding a

maximum 5 marks which can be shared by not more than two subjects. However, the grace marks shall not be part of the grand total. There will not be any Grace marks for any subsidiary subject.

Results:

- a) The examination result of a student shall be declared separately for each examination which will indicate the status of his performance of the semester.
- b) In case student appear in back paper, revised statement of marks will be issued incorporating the back paper examination result.
- c) The 8th semester statement of marks shall carry result of all previous semesters and will be issued only once the student has completed the course successfully.
- d) The final result for declaring division and award of degree shall be prepared on the basis of cumulative performance of student.

Award of Division:

- a) The division to a student shall be awarded on the basis of his/her 'FINAL RESULT' at the end of 8th semester examination.
- b) A student will be said to have passed with 'First Division with Honors' if he/ she obtains 75% or more marks in the final result, provided he/she has passed all examinations in first attempt and without invoking any grace marks.
- c) A student will be said to have passed with 'First Division' if he/she has obtained 60% or more marks in the final result without invoking any grace marks.
- d) A student will be said to have passed with 'Second Division' if he/she has obtained 50% or more marks in the final result.
- e) A student will be said to have 'Passed with Grace' if he/she invoke grace marks in any examination.

Merit List:

The merit list to award the rank shall be prepared on the basis of aggregate marks of final result. However those students who have passed all examination in first attempt without invoking any grace marks shall be eligible for award of Rank.

Award of Degree:

A student shall be eligible for award of Bachelor of Pharmacy degree on successful completion of prescribed course of study and declared pass.

Power to Amend the Ordinance

The 'Academic Council' shall have the powers to relax, amend any or all the provisions of the Ordinances, subject to the approval of the 'Executive Council' of the University. However, amendments shall not be in contravention of guidelines and directives of UGC.