

**BAREILLY INTERNATIONAL UNIVERSITY**  
**Ordinance effective from session 2019-20**  
**Bachelor of Science in Medical Laboratory Techniques (B.Sc. MLT)**

**Scope**

This ordinance shall apply to the program leading to Bachelor of Science in Medical Laboratory Techniques (B.Sc. MLT).

**Eligibility for Admission:**

- a) A candidate seeking admission to Bachelor of Science in Medical Laboratory Techniques (B.Sc. MLT) should have passed the 10+2 examination or equivalent examination from any Board/University with Physics, Chemistry, Biology and English as subjects.
- b) 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%.
- c) The minimum age for admission shall be 17 years as on 31st December of the year in which admission is sought.
- d) Admission shall be made once in a year and open to both male and female candidates.
- e) A candidate shall have to be medically fit.

**Eligibility for admission directly to 2<sup>nd</sup> yr (Lateral Entry):**

A candidate having completed two years Diploma in Medical Laboratory Techniques (B.Sc. MLT) course from any institution recognized by State Medical faculty shall be eligible for direct admission to second year of Bachelor of Science in Medical Laboratory Techniques (B.Sc. MLT).

**Program Duration:**

- a) The duration of the program leading to the award of Bachelor of Science in Medical Laboratory Techniques (B.Sc. MLT) shall be of three academic years excluding 6 months compulsory rotator internship.
- b) The maximum period for successfully completion of program should not exceed Six years excluding internship.

**Annual Intake:**

- a) The number of students shall be admitted as approved by the executive council of the university subject to maximum seat 40students.

b) Admission to program shall be made only in 1<sup>st</sup> year and last date for admission shall be 31<sup>st</sup> Aug of the admission year.

**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 20 weeks devoted to academic activities, excluding 3 weeks for 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 Board of Study and shall be published separately.

e) The academic activities for subject given below shall be conducted semester-wise:

<b>Semester I:</b> Human Anatomy-1 Human Physiology -1 Principle of Biochemistry-I Basic Microbiology-I Basic Pathology-I Practical: Human Anatomy-1 Practical: Human Physiology -1 Practical: Principle of Biochemistry-I Practical: Basic Microbiology-I Practical: Basic Pathology-I <b>Subsidiary Subject:</b> Basic computer and information science	<b>Semester II:</b> Human Anatomy-II Human Physiology -II Principle of Biochemistry-II Basic Microbiology-II Basic Pathology-II Practical: Human Anatomy-II Practical: Human Physiology –II Practical: Principle of Biochemistry-II Practical: Basic Microbiology-II Practical: Basic Pathology-II <b>Subsidiary Subject:</b> English, Communication and soft skills
<b>Semester III :</b> Biochemical metabolism Applied Clinical Biochemistry-I Systemic Bacteriology Basics of Hematological Diseases-I Fundamentals of Histopathology Practical: Biochemical metabolism Practical: Applied Clinical Biochemistry-I Practical: Systemic Bacteriology Practical: Basics of Hematological Diseases-I Practical: Fundamentals of Histopathology <b>Subsidiary Subject:</b> Introduction to Quality and Patient Safety	<b>Semester IV :</b> Applied Clinical Biochemistry- II Applied Bacteriology Medical Parasitology & Entomology Basics of Haematological Diseases-II Cytopathology & Cytotechniques Practical: Applied Clinical Biochemistry –II Practical: Applied Bacteriology Practical: Medical Parasitology & Entomology Practical: Basics of Hematological Diseases-II Practical: Cytopathology & Cytotechniques <b>Subsidiary Subject:</b> Basic Preventive Medicine and Community Health Care

<b>Semester V:</b> Analytical Clinical Biochemistry Immunology & Bacterial Serology Principles of Laboratory Management Blood Banking & Genetics Applied Histopathology-I Practical: Analytical Clinical Biochemistry Practical: Immunology & Bacterial Serology Practical: Blood Banking & Genetics Practical: Applied Histopathology-I <b>Subsidiary Subject:</b> Research methodology & Biostatistics	<b>Semester VI:</b> Clinical Endocrinology & Toxicology Medical Mycology & Clinical Virology Immunopathology & Molecular Biology Applied Haematology Applied Histopathology-II Practical: Medical Mycology & Clinical Virology Practical: Applied Haematology Practical: Applied Histopathology-II <b>Subsidiary Subject:</b> Environmental Sciences
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#### **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.

#### **1<sup>st</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Human Anatomy-1	70	30	-	100
2	Human Physiology -1	70	30	-	100
3	Principle of Biochemistry-I	70	30	-	100
4	Basic Microbiology-I	70	30	-	100
5	Basic Pathology-I	70	30	-	100
<b>Practical</b>					
6	Human Anatomy-1	35	15	-	50
7	Human Physiology -1	35	15	-	50
8	Principle of Biochemistry-I	35	15	-	50
9	Basic Microbiology-I	35	15	-	50
10	Basic Pathology-I	35	15	-	50
<b>Total</b>					<b>750</b>
<b>Subsidiary Subject</b>					
11	Basic Computer and Information Science	30	20	-	50

**Note:** All subsidiary examination shall be non University Examination only and will not be part of grand total.

**2<sup>nd</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Human Anatomy-II	70	30	-	100
2	Human Physiology -II	70	30	-	100
3	Principle of Biochemistry-II	70	30	-	100
4	Basic Microbiology-II	70	30	-	100
5	Basic Pathology-II	70	30	-	100
<b>Practical</b>					
6	Human Anatomy-II	35	15	-	50
7	Human Physiology -II	35	15	-	50
8	Principle of Biochemistry-II	35	15	-	50
9	Basic Microbiology-II	35	15	-	50
10	Basic Pathology-II	35	15	-	50
Total					750
<b>Subsidiary Subject</b>					
11	English Communication & Soft Skills	30	20	-	50
<b>Note:</b> All subsidiary examination shall be non University Examination only and will not be part of grand total.					

**3<sup>rd</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Biochemical Metabolism	70	30	-	100
2	Applied Clinical Biochemistry-I	70	30	-	100
3	Systemic Bacteriology	70	30	-	100
4	Basic of hematological disease I	70	30	-	100
5	Fundamental of Histopathology	70	30	-	100
<b>Practical</b>					
6	Biochemical Metabolism	35	15	-	50
7	Applied Clinical Biochemistry-I	35	15	-	50
8	Systemic Bacteriology	35	15	-	50
9	Basic of hematological disease I	35	15	-	50
10	Fundamental of Histopathology	35	15	-	50
Total					750
<b>Subsidiary Subject</b>					
11	Introduction to Quality & Patient safety	30	20	-	50
<b>Note:</b> All subsidiary examination shall be non University Examination only and will not be part of grand total.					

**4<sup>th</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Applied Clinical Biochemistry-II	70	30	-	100
2	Applied Bacteriology	70	30	-	100
3	Medical Parasitology & Entomology	70	30	-	100
4	Basic of hematological disease II	70	30	-	100
5	Cytopathology & Cytotechniques	70	30	-	100
<b>Practical</b>					
6	Applied Clinical Biochemistry-II	35	15	-	50
7	Applied Bacteriology	35	15	-	50
8	Medical Parasitology & Entomology	35	15	-	50
9	Basic of hematological disease II	35	15	-	50
10	Cytopathology & Cytotechniques	35	15	-	50
Total					750
<b>Subsidiary Subject</b>					
11	Basic preventive medicine and community health care	30	20	-	50
Note: All subsidiary examination shall be non University Examination only and will not be part of grand total.					

**5<sup>th</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Analytical Clinical Biochemistry	70	30	-	100
2	Immunology & Bacterial Serology	70	30	-	100
3	Principles of Laboratory Management	70	30	-	100
4	Blood Banking & Genetics	70	30	-	100
5	Applied Histopathology-I	70	30	-	100
<b>Practical</b>					
6	Analytical Clinical Biochemistry	35	15	-	50
7	Immunology & Bacterial Serology	35	15	-	50
8	Blood Banking & Genetics	35	15	-	50
9	Applied Histopathology-I	35	15	-	50
Total					700
<b>Subsidiary Subject</b>					
10	Research Methodology Biostatistics	30	20	-	50
Note: All subsidiary examination shall be non University Examination only and will not be part of grand total.					

**6<sup>th</sup> Semester**

Sl	Subject	Examination	Internal Assessment	Practical Viva	Grand Total
<b>Theory</b>					
1	Clinical Endocrinology & toxicology	70	30	-	100
2	Medical Mycology & Clinical Virology	70	30	-	100
3	Immunopathology & molecular Biology	70	30	-	100
4	Applied Hematology	70	30	-	100
5	Applied Histopathology-II	70	30	-	100
<b>Practical</b>					
6	Medical Mycology & Clinical Virology	35	15	-	50
7	Applied Hematology	35	15	-	50
8	Applied Histopathology-II	35	15	-	50
<b>Total</b>					650
<b>Subsidiary Subject</b>					
9	Environmental Sciences	30	20	-	50

**Note:** All subsidiary examination shall be non University Examination only and will not be part of grand total.

**Attendance:**

- Each student is normally required to attend all the lectures of every subject as well as the curricular and co-curricular activities.
- A student must have minimum 75% 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 list of examiners for paper setting subject-wise duly approved by faculty Board. In no case more than 50% question papers of a semester will be get set from internal examiners.
- The evaluation of answer books shall be carried out by examiners duly approved by Faculty Board subject-wise. In no case more than 50% internal examiners shall be involved for evaluation of answer-books of a semester.

- d) The evaluation of project work shall be done by the panel of examiners consists of one internal and one external examiner.
- e) A student shall be allowed to appear in 6<sup>th</sup> semester examination but result will be declared only after clearing all the back / failed subjects of 1<sup>st</sup> to 4<sup>th</sup> semesters only.
- f) There will not be any separate back paper examination for 1<sup>st</sup> to 4<sup>th</sup> semester subjects. However, special carry over examination will be conducted to clear back paper of 5<sup>th</sup> and 6<sup>th</sup> semesters within two months of declaration of 6<sup>th</sup> semester result.
- g) A student not qualified in any subject can appear in the next examination held in the respective semester (Odd/ Even).

#### **Qualifying Standards:**

- a) Minimum qualifying marks for each subject shall be 50% in aggregate of examination including subsidiary subjects.
- b) The marks obtained in external examination, Viva 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, satisfies the qualifying standards of all 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 appears in back paper, revised statement of marks will be issued incorporating the back paper examination result.
- c) The six 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 sixth 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 Sciences Medical Laboratory Techniques (B.Sc. MLT) degree on successful completion of prescribed course of study and declared pass.

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**Award of Degree:**

A student shall be eligible for award of Bachelor of Sciences Medical Laboratory Techniques (B.Sc. MLT) 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.

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# **BAREILLY INTERNATIONAL UNIVERSITY, BAREILLY**

## **FACULTY OF PARAMEDICAL SCIENCES**

### **Examination Ordinance**

**1. General guidelines** - The Examination section mainly deals with appointment of Question paper setters, Examiners (Internal & External), supervisors, preparation and publication of scheme of examinations, conduct of examinations, assessments and evaluations and timely declaration of results and awarding degrees, diplomas and certificates. For the smooth and easier functioning, the work of Examination Department is divided into following points :-

- a. The final examination conducted at the end of each Semester during the dates specified in the Academic Calendar by the University.
- b. The detailed schedule of Final Examinations to be conducted by the University shall be published / announced by the COE at least 02 (Two) week before the scheduled date of examinations.
- c. The Mid-term/ internal assessment examinations should be conducted as per norms by the HOD on the dates specified in the Academic Calendar.
- d. The detailed schedule of the Mid-term examinations/ internal assessment should be published / announced by the HOD's at least 02 (Two) weeks before the scheduled date of Mid-term/ internal assessment examinations.
- e. The Final Examinations for Practical, Viva Voce, Project Evaluation, etc., as applicable shall be conducted by the HOD's. They shall publish the schedule at least a week before commencement of the same.
- f. All other continuous assessment examinations/tests/assessments shall be conducted by the respective faculty members / course instructors as per the schedule announced in the respective Course Plan. The HOD, concerned shall be responsible for the smooth and timely conduct of such continuous assessments and the declarations/publication of the results/marks obtained in these continuous assessments/tests.
- g. Marks / Grades if internal exams / Continuous Assessment / Practical Exams / Viva voce etc. shall be declared within one week by concerned faculty member.
- h. Appointment of Paper-setters, Examiners, Vigilance Squads, Exam Superintendent.
- i. To receive, scrutinize and accept student's Examination Forms.
- j. Declaration of Eligible / Non-Eligible candidates for examination.
- k. Preparation of Hall ticket, Bar Code and Attendance Sheets.
- l. Arrangement of examination related stationary and its utilization.
- m. Receiving & Distribution of Question papers on the date of examination.
- n. Final examination shall be held at designated examination centers of the University.

### **2. Conduct of Examinations**

- a. **Internal Examinations** - To conduct of practical / oral / project exams as per norms, the internal / practical examinations are to be conducted by the Head of Department/Principal and the marks to be submitted to the University before the Main University Examinations for the result declaration.

**BAREILLY INTERNATIONAL UNIVERSITY, BAREILLY**  
**FACULTY OF PARAMEDICAL SCIENCES**

**Admission Ordinance**

1. A student shall be eligible for admission to any course of study offered by the University if she/he fulfills the eligibility criteria and followed the admission process prescribed by the University for that Particular Course of study.
2.
  - a. Without prejudice to the provisions of the Statutes, a student shall be eligible for admission to any course of study of this University on migration from any other University if he has passed an examination equivalent to the examination of this University prescribed by the Ordinances for admission to the concerned course of this University:
  - b. Every student admitted to a Department or a Centre or an Institution maintained by the University shall be enrolled by the University on receipt of an application for enrolment from him/her duly forwarded by the concerned Head of the Institution: Provided that the application for enrolment shall be supported by:-
    - i. Mark sheet of qualifying examination,
    - ii. Migration certificate or no objection certificate, in original; and
    - iii. Fee, as prescribed by the University.
3. A student enrolled by the University shall be allotted an enrolment number.
4. A student desiring to seek admission in any other university or institution on completion of a course of study or otherwise may apply to the University for issue of a migration certificate. On receipt of such an application the University shall issue the migration certificate, provided that -
  - a. The application is accompanied by the prescribed fee;
  - b. All the outstanding dues have been cleared and a no dues certificate has been obtained; and;
  - c. An entry to this effect has been made in the Enrolment Register by the Officer of the University issuing the migration certificate.
5. Application form for admission to the various programmes offered by University shall be as prescribed by the Academic Council of the University from time to time.
6. The last date for the receipt of applications for admission to various Departments of the University shall be fixed each year by the Academic Council.

7. The last date for admission to the various Faculties of the University shall be fixed each year by the Academic Council.
8. The number of students to be admitted in the Faculties of the University in the coming session shall be prescribed each year by the Academic Council.
9. Admission of students shall be made strictly on the basis of merit through Entrance Test aimed at assessing knowledge, comprehension and aptitude of the student to pursue higher studies through written test/viva/group discussion /personal interview or a combination of these.
10. However, provided that in case of courses where the intake of students is small, admission may be made on the basis of the merit adjudged through the marks obtained in the qualifying examination. The decision to this effect will be taken by the Academic Council on the recommendation of the concerned Department.
11. The Entrance Examination shall be held at University campus by the University from time to time.
12. Question Paper(s) for entrance examination(s) shall be set by expert(s) appointed by the Vice Chancellor.
13. During an entrance examination the candidates shall be under the disciplinary control of the Chief Superintendent to be appointed by the Controller of Examinations, whose instructions on the conduct of examination shall be final and binding.
14. If a candidate disobeys instructions or misbehaves with any member of the supervisory staff or with any of the invigilators at the Centre, he/she may be expelled from the examination.
15. The Chief Superintendent shall immediately report the facts of such a case with full details of evidence to the Controller of Examinations who will refer the matter to the Examination Discipline Committee for such further action as the Committee may deem fit.
16. Relevant provisions of the relevant Ordinance aimed at maintenance of discipline during examinations shall be applicable to entrance examinations, wherever applicable.
17. Admissions to the various programmes of studies shall be made by the Central Admission Committee coordinator, two nominees of the Vice Chancellor of the University.
18. The syllabi, format, duration, scheme of evaluation of the entrance examination shall be decided by the central Admission Committee.

19. Minimum qualifications for admission to the programmes in various Department/Centres shall be prescribed by the Academic Council in consultation with the Principal/Heads of the Department each year, subject to the concessions provided for by the Regulations.
20. In case of a tie/bracketed score in the marks scored in the entrance test, the marks obtained in the qualifying exam will be taken into consideration for deciding merit.
21. Only such candidates who have passed an examination of an Indian University/Board established or recognized by State/Central governments or such other examination as has been recognized equivalent by State/Central governments/university shall be considered for admission.
22. The University shall follow reservation policy prescribed by the State Government for private universities from time to time for admissions to various courses.
23. The commencement of classes for all courses, other than professional courses, shall be governed by the UGC norms concerning Minimum Standards of Instruction for the Grant of Degrees as issued and amended from time to time.
24. The minimum and maximum duration for the programmes offered by the University shall be prescribed by the Academic Council in conformity with requirements of regulations prescribed by National Regulatory bodies from time to time.
25. A candidate shall be admitted to the programme in a Department on his/her enrollment as a student of the University after paying the fee prescribed by the University.
26. If, at any time, it is discovered that a candidate has made a false or incorrect statement or other fraudulent means have been used for securing admission his/her name shall be removed from the rolls of the University.

**Eligibility for Admission:**

- a) A candidate seeking admission to Paramedical Degree course should have passed the 10+2 examination or equivalent examination from any Board/University with Physics, Chemistry, Biology and English as subjects.
- b) 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%.

- c) The minimum age for admission shall be 17 years as on 31st December of the year in which admission is sought.
- d) Admission shall be made once in a year and open to both male and female candidates.
- e) A candidate shall have to be medically fit.

**Eligibility for admission directly to 2<sup>nd</sup> yr (Lateral Entry):**

A candidate having completed two years Diploma in their respective course from any institution recognized by State Medical faculty shall be eligible for direct admission to second year of Bachelor programme.