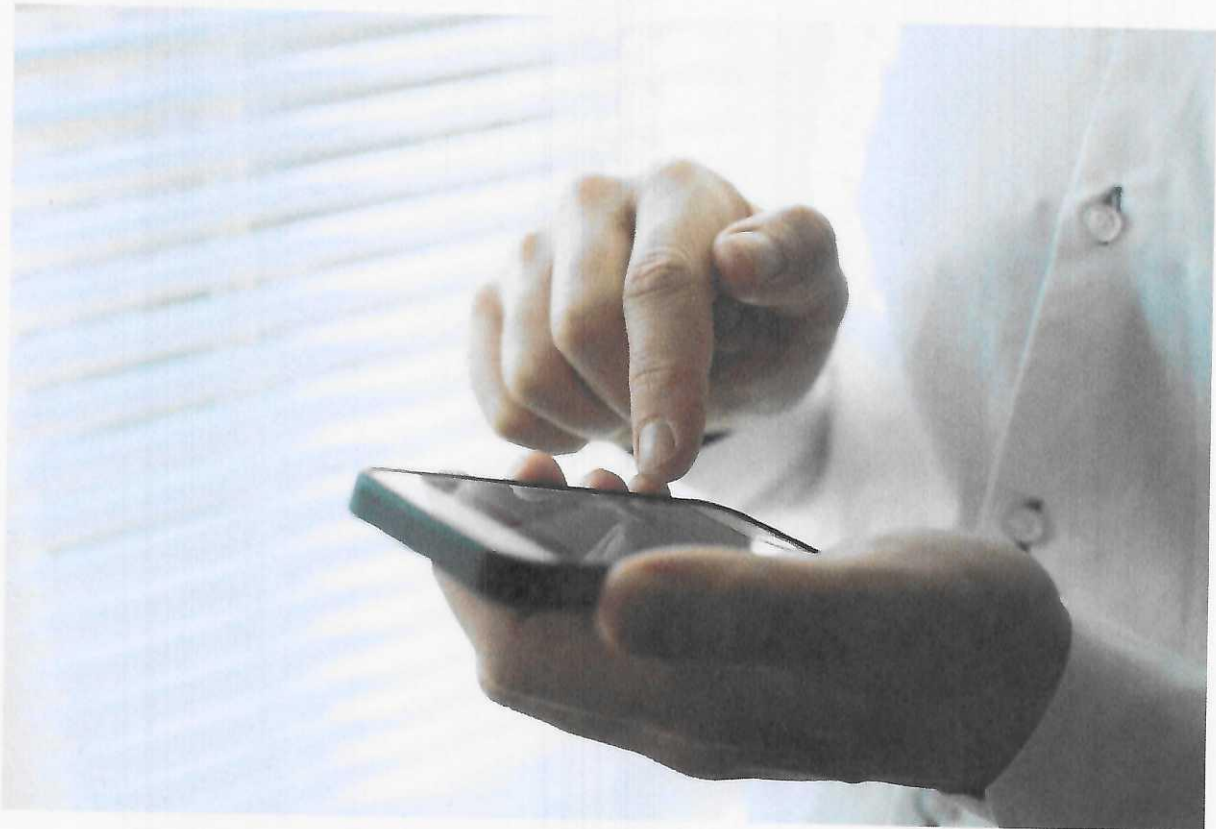


Syllabus for Bachelor of Science Medical Lab Technology (B Sc MLT) Programme



Guru Gobind Singh Indraprastha University

A State University established by the Govt. of NCT of Delhi

University School of Medicine and Allied Health Sciences

SCHEME OF EXAMINATION

&

DETAILED SYLLABUS

Sl. No. (2)

for

B.Sc. MEDICAL LABORATORY TECHNOLOGY



**GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY**
KASHMERE GATE, DELHI

VERIFIED

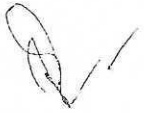
w.e.f. 2005-06
Office of the
Director, Academic Aff.
GGS Indraprastha
Sector-16-C
New Delhi-110008

Scheme & Syllabi

B. Sc. – Medical Laboratory Technology

Programme	B.Sc. – Medical Laboratory Technology
Duration	3 years
Intake	60
Eligibility	12 th Class of 10+2 pattern with PCM or PCB with minimum of 50% marks in PCM or PCB <i>OR</i> 10+2 vocational stream (MLT) with minimum of 50% marks In the second year 10% of the sanctioned intake may be filled from the students with 60% marks in diploma (MLT) of two years duration after 12 th pass from AICTE recognized institution and affiliated to the State Government
Admission Procedure	Through entrance test, to be conducted by the University as per the syllabus of CBSE of Physics, Chemistry & Mathematics or Physics, Chemistry & Biology of 11 th & 12 th class standards. Students should be given option either to attend the Mathematics or Biology portion in the entrance test. However, not more than 50% of the sanctioned strength may be filled-up on the basis of merit list from 10+2 vocational stream (MLT) students. University may work out the procedure of direct admission of these students in the first year of the programme.
Examination Scheme -	There shall be annual examinations at the end of each academic year to be conducted by the University in the months of May-June followed by supplementary examinations in the month of September- October.
Theory	75% marks (50% for Written Test and 25% for Oral Test) will be for the external examinations and 25% marks for the internal assessment by two tests to be conducted by the Institution.
Practical	60% marks will be for the external examination and 40% for the internal examination as per the University Ordinance
Hospital/Medical Diagnostic Laboratory Training	One month duration covering all the subjects of laboratory medicine to be arranged by the institution in the month of June/July after each annual examination
Eligibility for external the examiners and one external	MD/DNB/MS with minimum three years experience in concerned speciality There will be two internal examiners.

Office of the
Director
GGSI
Sector-16
New Delhi-110076


w.e.f. 2005-06

Suggested Question Paper Format

GGs IP University

TERM END EXAMINATIONS

Annual _____

Programme: B. Sc. MLT

Time: 3 hrs.

M. M: 75

Answer ANY FIVE

Part - I

6 X 5=30

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Answer ANY THREE

Part - II

15 X 3=45

- 7.
- 8.
- 9.
- 10.

General Suggestions for Paper Setter

1. Each question paper is of maximum 75 marks & for three hours duration.
2. Paper Setter shall take into consideration while making the Question Paper, the respective weightage of the different sections as expressed in percentages in the course syllabus.
3. Part-I & II should include questions from each Section of the Course.
4. Paper Setters are free to choose questions of their choice.
5. Long questions should be framed in various components with weightage of each component duly specified.
6. While framing questions, kindly make sure that the questions are appropriate as per the B. Sc. MLT Programme syllabi.

Amendment to previous Examination Scheme

Previous scheme reads as:

- Examination Scheme - There shall be annual examinations at the end of each academic year to be conducted by the University in the months of May-June followed by supplementary examinations in the month of September- October.
- Theory 75% marks (50% for Written Test and 25% for Oral Test) will be for the external examinations and 25% marks for the internal assessment by two tests to be conducted by the Institution.
- Practical 60% marks will be for the external examination and 40% for the internal examination as per the University Ordinance.

Amended scheme should read as:

- Examination Scheme - There shall be annual examinations at the end of each academic year to be conducted by the University in the months of May-June.
- Theory 75 marks out of 100 marks – University Term End Examinations at the end of each academic year
25 marks out of 100 marks – Internal Assessment based upon continuous Teacher's assessment through out the year submitted by the Institution
- Practical/Viva 60 marks out of 100 marks – University Term End Examinations at the end of each academic year
[Breakup of 60 marks University test:
- 30 marks for practical in the form of technique demonstration
- 15 marks for spotting test
- 15 marks for viva-voce]
- 40 marks out of 100 marks – Internal Assessment based upon continuous Teacher's assessment through out the year submitted by the Institution

- Amendment for the Courses – Biostatistics & Bioinformatics (LMT – 104 & 154) and Laboratory Management (LMT – 304) shall be of 100 marks each instead of 50 marks as earlier marked

There shall be no change in NUE status of LMT – 154)

- Declaration of Successful student – A student shall be declared successful on securing minimum 150 out of 154 credits for entire three years of programme following which he/she shall become eligible for the award of degree.

Revised Scheme for B. Sc. - Medical Laboratory Technology

Annual Teaching weeks - 36		Hours per week				Annual Credit
		Th	Tut	Pract	Total	
Sub Code	Name of the Subject					
First year						
Theory						
LMT - 101	Life Sciences - I (Anatomy)	4	1		5	10
LMT - 102	Life Sciences - II (Physiology)	3	1		4	8
LMT - 103	Life Sciences - III (Fundamentals of Biochemistry)	4	1		5	10
LMT - 104	Biostatistics and Bio-informatics	3			3	6
Practical						
LMT - 151	Life Sciences - I (Anatomy)			4	4	4
LMT - 152	Life Sciences - II (Physiology)			4	4	4
LMT - 153	Life Sciences - III (Fundamentals of Biochemistry)			6	6	6
LMT - 154	Biostatistics and Bio-informatics*			2	2	2
Total		14	3	16	33	50

Second year						
Theory						
LMT - 201	Laboratory Medicine - I (Haematology)	3	1		4	8
LMT - 202	Laboratory Medicine - II (Cyto-histopathology)	3	1		4	8
LMT - 203	Laboratory Medicine - III (Microbiology)	4	1		5	10
LMT - 204	Laboratory Medicine - IV (Clinical Biochemistry)	3	1		4	8
Practical						
LMT - 251	Laboratory Medicine - I (Haematology)			4	4	4
LMT - 252	Laboratory Medicine - II (Cyto-histopathology)			4	4	4
LMT - 253	Laboratory Medicine - III (Microbiology)			6	6	6
LMT - 254	Laboratory Medicine - IV (Clinical Biochemistry)			6	6	6
Total		13	4	20	37	54

		Third year				
Theory						
LMT - 301	Laboratory Medicine - V (Microbiology & Immunology)	3	1		4	8
LMT - 302	Laboratory Medicine - VI (Transfusion medicine & Immunohaematology)	3	1		4	8
LMT - 303	Laboratory Medicine - VII (Clinical Biochemistry)	3	1		4	8
LMT - 304	Laboratory Management	1			1	2
Practical						
LMT - 351	Laboratory Medicine - V (Microbiology & Immunology)			8	8	8
LMT - 352	Laboratory Medicine - VI (Transfusion medicine & Immunohaematology)			8	8	8
LMT - 353	Laboratory Medicine - VII (Clinical Biochemistry)			8	8	8
Total		10	3	24	37	50

Total Annual Credits					154
* NUES - Non University Examination Subject					