

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Sc. In Medical Lab Technology
(Effective for Academic Session 2018-2019)

Curriculum Structure

B.Sc. MLT- I Semester

Sl.	Course Code	Subject	Period			Credit	Total
			L	T	P		
1	BML - 101	Human Anatomy-I	3	-	-	3	100
2	BML - 102	Human Physiology-I	3	-	-	3	100
3	BML - 104	Biochemistry-I	3	-	-	3	100
4	BML – 105 (MPH 104)	Health Education & Health Communication	3	-	-	3	100
5	BML- 191 (BCA 191)	PC Software Lab		-	2	2	100
6	BML - 192	Practical: Human Anatomy-I	-	1	2	2	100
7	BML - 193	Practical: Human Physiology-I	-	1	2	2	100
8	BML - 194	Practical: Biochemistry-I	-	1	2	2	100
		Total	12	3	8	20	800

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B.Sc. MLT- II Semester

Sl.	Course Code	Subject	Period			Credit	Total
			L	T	P		
1	BML -201	Human Anatomy-II	3	-	-	3	100
2	BML -202	Human Physiology-II	3	-	-	3	100
3	BML- 203	Biochemistry-II	3	-	-	3	100
4	BML-204 (MHA-204)	Bio Medical Waste Management	3	1		3	100
5	BML -291	Human Anatomy-II	-	1	2	2	100
6	BML -292	Human Physiology-II	-	1	2	2	100
7	BML -293	Biochemistry-II	-	1	2	2	100
8	BML -294	Communication Lab	-	1	2	2	100
		Total	12	5	8	20	800

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B.Sc. MLT- III Semester

Sl.	Course Code	Subject	Period			Credit	Total
			L	T	P		
1	BML- 301	Pathology-I	3	-	-	3	100
2	BML- 302	Clinical Haematology-I	3	-	-	3	100
3	BML- 303	Microbiology-I	3	-	-	3	100
4	BML - 304	Immunology & Serology-I	2	1	-	2	100
5	BML- 305	Histopathology & Histotechniques -I	3	-	-	3	100
6	BML- 391	Clinical Haematology-I	-	1	2	2	100
7	BML- 392	Microbiology, Immunology & Serology - I	-	1	2	2	100
8	BML - 393	Histopathology & Histotechniques -I	-	1	2	2	100
		Total	14	4	6	20	800

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B.Sc. MLT- IV Semester

Sl.	Course Code	Subject	Period			Credit	
			L	T	P		Total
1	BML-401	Pathology - II	3	-	-	3	100
2	BML- 402	Clinical Haematology-II	3	-	-	3	100
3	BML- 403	Microbiology-II	3	-	-	3	100
4	BML- 404	Immunology & Serology-II	2	1	-	2	100
5	BML - 405	Histopathology & Histotechniques -II	3	-	-	3	100
6	BML - 491	Clinical Haematology-II	-	1	2	2	100
7	BML- 492	Microbiology, Immunology & Serology – II	-	1	2	2	100
8	BML- 493	Histopathology & Histotechniques -II	-	1	2	2	100
		Total	14	4	6	20	800

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B.Sc. MLT- V Semester

Sl.	Course Code	Subject	Period			Credit	Total
			L	T	P		
1	BML - 501	Immunohematology & Blood Banking	2	1	-	2	100
2	BML - 502	Clinical Enzymology & Automation	3	-	-	3	100
3	BML - 503	Parasitology & Virology	3	-	-	3	100
4	BML- 504	Diagnostic Cytology	3	-	-	3	100
5	BML – 505	Principles of Lab Management & Medical Ethics	3	-	-	3	100
6	BML- 591	Clinical Enzymology	-	1	2	2	100
7	BML- 592	Parasitology & Virology	-	1	2	2	100
8	BML- 593	Diagnostic Cytology	-	1	2	2	100
		Total	14	4	6	20	800

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B.Sc. MLT- VI Semester

Sl.	Course Code	Subject	Period			Credit	
			L	T	P		Total
1	BML- 601	Clinical Endocrinology & Toxicology	3	-	-	3	100
2	BML- 602	Advanced Diagnostic Techniques	2	1	-	2	100
3	BML- 603	Diagnostic Molecular Biology	3	-	-	3	100
4	BML- 691	Clinical Endocrinology & Toxicology	-	1	2	2	100
5	BML- 692	Advanced Diagnostic Techniques	-	1	2	2	100
6	BML- 693	Diagnostic Molecular Biology	-	1	2	2	100
7	BML - 681	Internship Project	-	-	-	6	100
		Total	8	4	6	20	800