

 AL-FAROOQ NAZRUL UNIVERSITY				FACULTY OF SCIENCE AND TECHNOLOGY		DEGREE PROGRAMME: B.Sc in Medical Laboratory Technology			WITH EFFECT FROM THE ACADEMIC SESSION: 2021-22							
Abbreviated Degree	Discipline	Abbreviat ed Degree Programm	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
											Practical	Theoretical	Practical	Theoretical		
	Medical Laboratory Technology		I	Human Anatomy	C	BMLTC101	CC-1	4-0-0	4	29		30		70	100	900
				Human Anatomy Practical	C	BMLTC102	CC-2	0-0-4	2		60		40		100	
				Human Physiology	C	BMLTC103	CC-3	4-0-0	4			30		70	100	
				Human Physiology Practical	C	BMLTC104	CC-4	0-0-4	2		60		40		100	
				Medical Laboratory Science and Management	C	BMLTC105	CC-5	4-0-0	4			30		70	100	
				National Healthcare Delivery System	C	BMLTC106	CC-6	4-0-0	4			30		70	100	
				Computer Application	AE	AECC101	AECC-1	4-0-0	4			30		70	100	
				Computer Application Practical	AE	AECC102	AECC-2	0-0-4	2		60		40		100	
				English Communication	AE	AECC103	AECC-3	3-0-0	3			30		70	100	
			II	General Biochemistry	C	BMLTC201	CC-7	4-0-0	4	24		30		70	100	700
				General Biochemistry Practical	C	BMLTC202	CC-8	0-0-4	2		60		40		100	
				General Pathology and Microbiology	C	BMLTC203	CC-9	4-0-0	4			30		70	100	
				General Pathology and Microbiology Practical	C	BMLTC204	CC-10	0-0-4	2						100	
				Basic Hematology	C	BMLTC205	CC-11	3-0-1	4			30		70	100	
				Choose from the pool of generic elective courses offered in the second semester of allied health science disciplines other than the discipline in which degree program is taken	GE	See pool	GEC-1	See pool	4			30		70	100	
				Environmental Studies	AE	AECC201	AECC-4	4-0-0	4			30		70	100	
			III	General Bacteriology	C	BMLTC301	CC-12	4-0-0	4	24		30		70	100	700
				General Bacteriology Practical	C	BMLTC302	CC-13	0-0-4	2		60		40		100	
				Clinical Biochemistry	C	BMLTC303	CC-14	4-0-0	4			30		70	100	
				Clinical Biochemistry Practical	C	BMLTC304	CC-15	0-0-4	2		60		40		100	
				Fundamentals of Histology	C	BMLTC305	CC-16	3-0-1	4			30		70	100	
				Fundamentals of Histopathology	C	BMLTC306	CC-17	3-0-1	4			30		70	100	
				Choose from the pool of generic elective courses offered in the second semester of allied health science disciplines other than the discipline in which degree program is taken	GE	See pool	GEC-2	See pool	4			30		70	100	
				Immunology and Bacterial Serology	C	BMLTC401	CC-18	4-0-0	4			30		70	100	
				Immunology and Bacterial Serology Practical	C	BMLTC402	CC-19	0-0-4	2		60		40		100	

BMLT	Medical Laboratory	BMLT	IV	Applied Histology	C	BMLTC403	CC-20	4-0-0	4	26		30		70	100	800
				Applied Histology Practical	C	BMLTC404	CC-21	0-0-4	2		60		40		100	
				Applied Clinical Biochemistry	C	BMLTC405	CC-22	4-0-0	4			30		70	100	
				Applied Clinical Biochemistry Practical	C	BMLTC406	CC-23	0-0-4	2		60		40		100	
				Basic Nutrition and Public Health	C	BMLTC407	CC-24	3-0-1	4			30		70	100	
				Choosefrom the pool of generic elective courses offered in the second semester of allied health science disciplines other than the discipline in which degree program is taken	GE	See pool	GEC-3	See pool	4			30		70	100	
			V	Medical Parasitology and Entomology	C	BMLTC501	CC-25	4-0-0	4	28		30		70	100	700
				Cytopathology	C	BMLTC502	CC-26	4-0-0	4			30		70	100	
				Medical Mycology and Virology	C	BMLTC503	CC-27	4-0-0	4			30		70	100	
				Immunopathology	C	BMLTC504	CC-28	4-0-0	4			30		70	100	
				Clincial Posting	C	BMLTC505	CC-29	0-0-8	4		60		40		100	
				Research Methodology and Bio-statistics	SE	BMLTSE501	SEC-1	3-1-0	4			30		70	100	
				Choosefrom the pool of generic elective courses offered in the second semester of allied health science disciplines other than the discipline in which degree program is taken	GE	See pool	GEC-4	See pool	4			30		70	100	
			VI	Blood Banking and Blood Transfusion	C	BMLTC601	CC-30	4-0-0	4	26		30		70	100	800
				Blood Banking and Blood Transfusion Practical	C	BMLTC602	CC-31	0-0-4	2		60		40		100	
				Genetics and Molecular Biology	C	BMLTC603	CC-32	4-0-0	4			30		70	100	
				Genetics and Molecular Biology Practical	C	BMLTC604	CC-33	0-0-4	2		60		40		100	
				Special Techniques in Laboratory Science	C	BMLTC605	CC-34	4-0-0	4			30		70	100	
				Special Techniques in Laboratory Science Practical	C	BMLTC606	CC-35	0-0-4	2		60		40		100	
				Clinical Posting	C	BMLTC607	CC-36	0-0-8	4		60		40		100	
				Medical Law and Ethics	SE	BMLTSE601	SEC-2	3-1-0	4			30		70	100	
			VII	Internship -I	C	BMLTC701	CC-37	0-0-12	6	9	60		40		100	200
				Project Work -I	C	BMLTC702	CC-38	0-0- 6	3		60		40		100	
			VIII	Internship - II	C	BMLTC801	CC-39	0-0-12	6	9	60		40		100	200
				Project Work -II	C	BMLTC802	CC-40	0-0-6	3		60		40		100	
									Total Credit	175					Total Marks	5000

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsory Course; GE= Generic Elective; SE= Skill Enhancement; SEC= Skill Enhancement Course GEC= Generic Elective Course;

CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable														
Generic Elective Courses (GEC) : Students of BMLT program will choose from the Pool of Generic Elective Courses of concerned semesters offered by Disciplines other than the BMLT (from the pool of Allied Health Science Courses)														
Semesterwise Pool of Generic Elective Courses offered by this Discipline for other the Discipline														
Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks
									Practical	Theoretical	Practical	Theoretical		
Medical Laboratory Technology	II	National Healthcare Delivery System	GE	BMLTGE101	GEC-1	3 -1- 0	4	NA		30		70	100	NA
	III	Basic Laboratory Sciences and Clinical Techniques		BMLTGE201	GEC-2	3 -1- 0	4			30		70	100	
	IV	Phlebotomy		BMLTGE301	GEC-3	3 -1- 0	4			30		70	100	
	V	Quality Control and Patient Safety Management		BMLTGE401	GEC-4	3 -1- 0	4			30		70	100	