



BRAINWARE UNIVERSITY

Department of Allied Health Science

Bachelor of Science in Medical Laboratory Technology (B.Sc MLT)

Programme Structure 2019

(As per UGC CBCS Template)

Semester I

Paper Code	Paper Name	L - T - P	Credits	Total Marks
HU101	English Communication	3-0-0	3	100
HU191	English Communication lab	0-0-2	1	100
BMLT101	National Healthcare Delivery System and Medical Laboratory Science (MLS)	4-0-0	4	100
BMLT191	National Healthcare Delivery System and Medical Laboratory Science (MLS) - Practical	0-0-4	2	100
BMLT102	Medical Ethics and Patient Safety Management	4-0-0	4	100
BMLT192	Medical Ethics and Patient Safety Management – Practical	0-0-4	2	100
*BMLT103	Community Orientation & Clinical Visit	0-0-2	0	0
GE**	Generic Elective-1 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	200/ 100
GE**	Generic Elective -1 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
TOTAL			22	800/700

*Advised by BOS

** Computer Application



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Semester II

Paper Code	Paper Name	L - T - P	Credits	Total Marks
EVS201	Environmental Science	3-1-0	4	100
BMLT201	Human Anatomy and Physiology	4-0-0	4	100
BMLT291	Human Anatomy and Physiology-Practical	0-0-4	2	100
BMLT202	General Biochemistry	4-0-0	4	100
BMLT292	General Biochemistry-Practical	0-0-4	2	100
BMLT203	General Pathology And Microbiology	4-0-0	4	100
BMLT293	General Pathology And Microbiology-Practical	0-0-4	2	100
BMLT204	Basic Hematology	3-0-1	4	100
GE**	Generic Elective-2 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	200/100
GE**	Generic Elective -2 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
Total			32	1000/900

Semester-III



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Paper Code	Paper Name	L - T - P	Credits	Total Marks
BMLT301	General Bacteriology	4-0-0	4	100
BMLT391	General Bacteriology- Practical	0-0-4	2	100
BMLT302	Clinical Biochemistry	4-0-0	4	100
BMLT392	Clinical Biochemistry- Practical	0-0-4	2	100
BMLT303	Fundamentals of Histology	3-1-0	4	100
BMLT304	Fundamentals of Histopathology	3-0-1	4	100
GE**	Generic Elective-3 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	200/100
GE**	Generic Elective -3 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
Total			26	800/700

Semester IV



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Paper Code	Paper Name	L - T - P	Credits	Total Marks
BMLT 401	Immunology & Bacterial Serology	4-0-0	4	100
BMLT 491	Immunology & Bacterial Serology- Practical	0-0-4	2	100
BMLT 402	Applied Histology	4-0-0	4	100
BMLT 492	Applied Histology-Practical	0-0-4	2	100
BMLT 403	Applied Clinical Biochemistry	4-0-0	4	100
BMLT 493	Applied Clinical Biochemistry- Practical	0-0-4	2	100
BMLT404	Basic Nutrition & Public Health	3-0-1	4	100
BMLT494	Basic Nutrition & Public Health- Practical	0-0-4	2	100
GE**	Generic Elective-4 (Any one from the List of Generic Elective / Interdisciplinary Courses from other Subjects)	4-0-0/5-0-0	4/5	200/10 0
GE**	Generic Elective -4 (Practical/Tutorial)	0-0-4/0-1-0	2/1	
Total			28	1000/900

Semester- V



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Paper Code	Paper Name	L - T - P	Credits	Total Marks
BMLT501	Medical Parasitology & Entomology	4-0-0	4	100
BMLT591	Medical Parasitology & Entomology- Practical	0-0-4	2	100
BMLT502	Cytopathology	4-0-0	4	100
BMLT592	Cytopathology -Practical	0-0-4	2	100
BMLT503	Medical Mycology and Virology	4-0-0	4	100
BMLT593	Medical Mycology and Virology- Practical	0-0-4	2	100
BMLT504	Immunopathology	4-0-0	4	100
BMLT594	Immunopathology -Practical	0-0-4	2	100
Total			24	800

Semester-VI

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BMLT601	Blood Banking & Blood Transfusion	4-0-0	4	100
BMLT691	Blood Banking & Blood Transfusion -Practical	0-0-4	2	100
BMLT602	Genetics & Molecular Biology	4-0-0	4	100



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BMLT692	Genetics & Molecular Biology - Practical	0-0-4	2	100
BMLT603	Special Techniques in Laboratory Science	3-1-0	4	100
BMLT 693	Special Techniques in Laboratory Science-Practical	0-0-4	2	100
BMLT604	Research Methodology and Biostatistics	3-1-0	4	100
Total			22	700

Semester-VII

Paper Code	Paper Name	Credits	Total Marks
BMLT781	Internship (6 months)	10	200