



BRAINWARE UNIVERSITY
Department of Allied Health Sciences
Diploma in Medical Laboratory Technology (DMLT)
Programme Structure 2021
(As per UGC CBCS Template)

This course provide an extensive training in the field of Medical Laboratory Technology including Phlebotomy techniques and aftercare of patients, Basic Haematological routine test, Biosafety measures and disposal of laboratory waste, Bacterial staining , Antibiotic sensitivity tests, Antigen and Antibody reactions, ELISA, RT-PCR(Covid-19), Animal Care, Photometry, Automated Blood Analyzer, Biopsy, Blood Banking, Medical Ethics, Patient care, Quality assurance of Medical Laboratory equipment etc. to the students so that they are able to perform all studies in this Department.

Semester-I

Course Code	Course Name	L - T - P	Credits	Total Marks
HU101	English Communication	3-0-0	3	100
DMLT101	Human Anatomy and Physiology	4-0-0	4	100
DMLT102	Clinical Pathology & Basic Hematology	4-0-0	4	100
DMLT103	Microbiology & General Bacteriology	4-0-0	4	100
DMLT104	Clinical Biochemistry	4-0-0	4	100
DMLT192	Clinical Pathology & Basic Hematology Practical	0-0-4	2	100
DMLT193	Microbiology & General Bacteriology Practical	0-0-4	2	100
DMLT194	Clinical Biochemistry Practical	0-0-4	2	100
GECS101	Computer application	4-0-0	4	100
GECS191	Computer application - Lab	0-0-4	2	100
TOTAL			31	1000



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Semester-II

Course Code	Course Name	L - T - P	Credits	Total Marks
EVS201	Environmental Science	3-1-0	4	100
DMLT201	Quality assurance and Accreditation	4-0-0	4	100
DMLT202	Medical Ethics and Patient care Management	4-0-0	4	100
DMLT203	Hematology	4-0-0	4	100
DMLT204	Systemic & Clinical Bacteriology	4-0-0	4	100
DMLT205	Clinical Biochemistry	4-0-0	4	100
DMLT293	Hematology Practical	0-0-4	2	100
DMLT294	Systemic & Clinical Bacteriology Practical	0-0-4	2	100
DMLT295	Clinical Biochemistry Practical	0-0-4	2	100
TOTAL			30	900

Semester-III

Course Code	Course Name	L - T - P	Credits	Total Marks
DMLT301	Cytopathology & Histopathology	4-0-0	4	100
DMLT302	Immunology & Serology	4-0-0	4	100
DMLT303	Virology & Mycology	4-0-0	4	100
DMLT304	Clinical Biochemistry	4-0-0	4	100
DMLT391	Cytopathology & Histopathology Practical	0-0-4	2	100
DMLT392	Immunology & Serology Practical	0-0-4	2	100
DMLT394	Clinical Biochemistry Practical	0-0-4	2	100
TOTAL			28	700



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Semester-IV

Course Code	Course Name	L - T - P	Credits	Total Marks
DMLT401	Histopathology & Blood Banking	4-0-0	4	100
DMLT402	Parasitology & Animal Care	4-0-0	4	100
DMLT403	Clinical Microbiology	4-0-0	4	100
DMLT404	Clinical Biochemistry	4-0-0	4	100
DMLT491	Histopathology & Blood Banking Practical	0-0-4	2	100
DMLT493	Clinical Microbiology Practical	0-0-4	2	100
DMLT494	Clinical Biochemistry Practical	0-0-4	2	100
TOTAL		28	22	700

Semester-V

Course Code	Course Name	Duration	Credits	Total Marks
DMLT581	Internship	6 months (20 weeks)	10	100