



**BRAINWARE UNIVERSITY**  
**School of Medical and Allied Health Sciences**  
**Department of Allied Health Science**  
**Master of Science in Medical Laboratory Technology (M.Sc. MLT)-2023**

**Semester I**

Course Code	Course Name	Evaluation Scheme		Total	L-T-P	Credits	Total Marks
		CIE	ESE				
MMTC01001	Applied Hematology & Clinical Pathology	40	60	100	4-0-0	4	100
MMTC01901	Applied Hematology & Clinical Pathology Lab	40	60	100	0-0-4	2	100
MMTC01002	Clinical Biochemistry	40	60	100	4-0-0	4	100
MMTC01902	Clinical Biochemistry Lab	40	60	100	0-0-4	2	100
MMTC01003	Human Anatomy & Applied Physiology	40	60	100	4-0-0	4	100
MMTC01004	Point of Care Testing & Laboratory Automation	40	60	100	4-0-0	4	100
	<b>Total</b>	<b>240</b>	<b>360</b>	<b>600</b>	<b>24</b>	<b>20</b>	<b>600</b>



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**Semester II**

Course Code	Course Name	Evaluation Scheme		Total	L - T - P	Credits	Total Marks
		CIE	ESE				
MMTC02001	Medical Molecular Biology & Biotechnology	40	60	100	4-0-0	4	100
MMTC02901	Medical Molecular Biology & Biotechnology Lab	40	60	100	0-0-4	2	100
MMTC02002	Diagnostic Microbiology & Parasitology	40	60	100	4-0-0	4	100
MMTC02902	Diagnostic Microbiology Lab & Parasitology	40	60	100	0-0-4	2	100
MMTC02003	Forensic Science & Toxicology	40	60	100	4-0-0	4	100
MMTD02004	A. Diagnostic Endocrinology & Enzymology	40	60	100	4-0-0	4	100
	B. MOOCS				0-0-0		
<b>Total</b>		<b>240</b>	<b>360</b>	<b>600</b>	<b>20</b>	<b>20</b>	<b>600</b>



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**Semester III**

Course Code	Course Name	Evaluation Scheme		Total	L - T - P	Credits	Total Marks
		CIE	ESE				
MMTC03001	Histopathology & Modern Diagnostic Oncopathology	40	60	100	4-0-0	4	100
MMTC03901	Histopathology & Modern Diagnostic Oncopathology Lab	40	60	100	0-0-4	2	50
MMTC03002	Medical Bioinformatics & Biostatistics	40	60	100	4-0-0	4	100
MMTD03001	A. Medical Entrepreneurship	40	60	100	4-0-0	4	100
	B. MOOCS				0-0-0	4	100
MMTR03801	Project I	0	0	100	0-0-0	6	100
<b>Total</b>		<b>200</b>	<b>300</b>	<b>500</b>	<b>16</b>	<b>20</b>	<b>450</b>

**Semester IV**

Course Code	Course Name	Evaluation Scheme		Total	L - T - P	Credits	Total Marks
		CIE	ESE				
MMTC04001	Immunohematology & Blood Banking	40	60	100	4-0-0	4	100
MMTC04002	Industrial and Pharmaceutical Microbiology	40	60	100	4-0-0	4	100
MMTC04003	Application of AI in Medical Science	40	60	100	4-0-0	4	100
MMTC04004	Hospital & laboratory organization Management	40	60	100	2-0-0	2	100
MMTR04801	Project II	0	0	100	0-0-0	6	100
<b>Total</b>		<b>160</b>	<b>240</b>	<b>500</b>	<b>14</b>	<b>20</b>	<b>500</b>