



BRAINWARE UNIVERSITY

398, Ramkrishnapur Road, Barasat, North 24 Parganas, Kolkata - 700 125

SCHOOL OF MEDICAL & ALLIED HEALTH SCIENCES

DEPARTMENT OF ALLIED HEALTH SCIENCES

Diploma in Medical Laboratory Technology – 2026

(As per NCAHP Guideline)

SEMESTER I

Sl. No	Course Code	Course	L	T	P/C	Evaluation Scheme		Total	Credits	Course Type
						CIA	TEE			
1	DMT1001	Introduction to Medical Laboratory Science	2	0	0	15	35	50	2	Core Course
2	DMT1002	Communication, Professionalism and Ethics	1	1	0	15	35	50	2	Core Course
3	DMT1003	Basic Emergency Care and First Aid	1	1	0	15	35	50	2	Core Course
4	DMT1004	Basics of Medical Terminology	1	1	0	15	35	50	2	Core Course
5	DMT1005	Basics of Human Anatomy and Physiology	3	1	0	30	70	100	4	Core Course
6	DMT1006	Clinical Chemistry and Instrumentation	3	1	0	30	70	100	4	Core Course
7	DMT1901	Human Anatomy and Physiology Practicals	0	0	4	15	35	50	2	Practical Course
8	DMT1801	Clinical Applications 1 (Clinical Chemistry)	0	0	6	15	35	50	2	Clinical Application
		TOTAL	11	5	10	150	350	500	20	



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SEMESTER II

Sl. No	Course Code	Course	L	T	P/C	Evaluation Scheme		Total	Credits	Course Type
						CIA	TEE			
1	DMT2001	Introduction to Medical Microbiology	3	1	0	30	70	100	4	Core Course
2	DMT2002	Urine and Body Fluids Analysis	3	1	0	30	70	100	4	Core Course
3	DMT2003	Introduction to Hematology	2	1	0	30	70	100	3	Core Course
4	DMT2004	Basics of Blood Banking	2	1	0	30	70	100	3	Core Course
5	DMT2901	Microbiology Practicals	0	0	4	15	35	50	2	Practical Course
6	DMT2902	Urine and Body Fluids Practicals	0	0	4	15	35	50	2	Practical Course
7	DMT2801	Clinical Applications 2 (Phlebotomy, Haematology and Blood Banking)	0	0	6	15	35	50	2	Clinical Application
		TOTAL	10	4	14	165	385	550	20	



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SEMESTER III

Sl. No	Course Code	Course	L	T	P/C	Evaluation Scheme		Total	Credits	Course Type
						CIA	TEE			
1	DMT3001	Histopathology and Cytology	3	1	0	30	70	100	4	Core Course
2	DMT3002	Applications of Microbiology	2	1	0	30	70	100	3	Core Course
3	DMT3003	Applications of Hematology	2	1	0	30	70	100	3	Core Course
4	DMT3004	Advanced Skills in Blood Banking	3	1	0	30	70	100	4	Core Course
5	DMT3901	Histopathology and Cytology Practicals	0	0	4	15	35	50	2	Practical Course
6	DMT3902	Hematology Practicals	0	0	4	15	35	50	2	Practical Course
7	DMT3801	Clinical Applications 3 (Microbiology)	0	0	6	15	35	50	2	Clinical Application
		TOTAL	10	4	14	165	385	550	20	



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SEMESTER IV

Sl. No	Course Code	Course	L	T	P/C	Evaluation Scheme		Total	Credits	Course Type
						CIA	TEE			
1	DMT4801	Clinical Lab Rotation 1 - Clinical Chemistry	0	0	5	50	50	100	5	Clinical Lab Rotation
2	DMT4802	Clinical Lab Rotation 2 – Microbiology	0	0	5	50	50	100	5	Clinical Lab Rotation
3	DMT4803	Clinical Lab Rotation 3 - Hematology & Blood Bank	0	0	5	50	50	100	5	Clinical Lab Rotation
4	DMT4804	Clinical Lab Rotation 4 - Histopathology & Cytology	0	0	5	50	50	100	5	Clinical Lab Rotation
		TOTAL	0	0	20	200	200	400	20	