

Bachelor of Vocational Studies (Medical laboratory technology)**B.Voc. (MLT)****Year- 1 (Diploma)**

I Semester				
S.No.	Course Code	Subject	Content Type	Credit
1	BVMLT-101	Basics of Human Anatomy & Physiology-I	Gen	4
2	BVMLT-102	Basic Concepts of LAB Technology-1	Skill	4
3	BVMLT-103	Fundamentals of Microbiology	Gen	4
4	BVMLT-104	Phlebotomy & Bio Medical Waste Mgmt.	Skill	3
5	BVMLT-105	Fundamental of Computers	Gen	3
6	BVMLT-106	General English & Soft Skill	Gen	2
7	BVMLTP-101	Basics of Human Anatomy & Physiology-I Lab	Skill	2
8	BVMLTP-102	Basic Concepts of LAB Technology-1 Lab	Skill	2
9	BVMLTP-103	Fundamentals of Microbiology Lab	Skill	2
10	BVMLTP-104	Phlebotomy & Bio Medical Waste Mgmt. Lab	Skill	2
11	BVMLTP-105	Fundamental of Computers Lab	Skill	2
			Total	30

II Semester				
S.No.	Course Code	Subject	Type of Course	Credits
1	BVMLT-201	Human Anatomy & Physiology –II	Gen	4
2	BVMLT-202	Clinical pathology	Skill	3
3	BVMLT-203	Introduction to Haematology	Skill	3
4	BVMLT-204	Introduction to Bio chemistry	Gen	4
5	BVMLT-205	Advance Phlebotomy & Lab Ethics	Skill	3
6	BVMLT-206	Basics of Health Market & Economy	Gen	3
7	BVMLTP 201	Human Anatomy & Physiology –II Lab	Skill	2
8	BVMLTP-202	Clinical pathology Lab	Skill	2
9	BVMLTP-203	Introduction to Haematology Lab	Skill	2
10	BVMLTP-204	Introduction to Bio chemistry Lab	Skill	2
11	BVMLTP-205	Advance Phlebotomy & Lab Ethics Lab	Skill	2
		Internship in Hospital		
			Total	30

Bachelor of Vocational Studies (Medical laboratory technology)
B.Voc. (MLT)
Year- 2 (Advanced Diploma)

III Semester				
S.No.	Course Code	Subject	Type of Course	Credits
1	BVMLT-301	Basic concepts of MLT-2	Skill	4
2	BVMLT-302	Routine Haematological Test	Skill	3
3	BVMLT-303	Microbial physiology metabolism	Gen	4
4	BVMLT-304	Blood Banking	Skill	3
5	BVMLT-305	Advance Computing Skills	Gen	2
6	BVMLT-306	Human Values & Professional Ethics	Gen	4
7	BVMLTP-301	Basic concepts of MLT-2 Lab	Skill	2
8	BVMLTP-302	Routine Haematological Test Lab	Skill	2
9	BVMLTP-303	Microbial physiology metabolism Lab	Skill	2
10	BVMLTP-304	Blood Banking Lab	Skill	2
11	BVMLTP-305	Advance Computing Skills Lab	Skill	2
Total				30

IV Semester				
S.No.	Course Code	Subject	Type of Course	Credits
1	BVMLT-401	Serology & Immunology	Skill	4
2	BVMLT-402	Bacteriology	Skill	4
3	BVMLT-403	Bio-Chemistry Metabolism	Gen	4
4	BVMLT-404	Patho Genic Microbiology	Gen	2
5	BVMLT-405	Genetics	Gen	2
6	BVMLT-406	Advance Communication & Soft Skills	Gen	2
7	BVMLTP-401	Serology & Immunology Lab	Skill	2
8	BVMLTP-402	Bacteriology Lab	Skill	3
9	BVMLTP-403	Bio-Chemistry Metabolism Lab	Skill	3
10	BVMLTP-404	Patho Genic Microbiology Lab	Skill	2
11	BVMLTP-405	Genetics Lab	Skill	2
		Internship in hospital		
Total				30

Bachelor of Vocational Studies (Medical laboratory technology)**B.Voc. (MLT)****Year- 3 (Degree)**

V Semester				
S.No.	Course Code	Subject	Type of Course	Credits
1	BVMLT-501	Histopathology & Cytology	Skill	4
2	BVMLT-502	Parasitological & Virology	Skill	3
3	BVMLT-503	Endocrinology, Tumor and cancer markers	Gen	3
4	BVMLT-504	Advance Bio-Chemical Testing Techniques	Skill	3
5	BVMLT-505	Digital Literacy & Account Literacy	Gen	4
6	BVMLT-506	Introduction to National Healthcare System	Gen	3
7	BVMLTP-501	Histopathology & Cytology Lab	Skill	2
8	BVMLTP-502	Parasitological & Virology Lab	Skill	2
9	BVMLTP-503	Endocrinology, Tumor and cancer markers Lab	Skill	2
10	BVMLTP-504	Advance Bio-Chemical Testing Techniques Lab	Skill	2
11	BVMLTP-505	Digital Literacy & Account Literacy Lab	Skill	2
Total				30

VI Semester				
S.No.	Course Code	Subject	Type of Course	Credits
1	BVMLT-601	Food and Industrial Microbiology	Gen	4
2	BVMLT-602	Clinical Lab Operations & Management	Gen	4
3	BVMLTP-601	Food and Industrial Microbiology Lab	Skill	2
4	BVMLTP-602	Clinical Lab Operations & Management Lab	Skill	2
5	BVMLTP-603	Internship in hospital	Skill	8
6	BVMLTP-604	Project Work in Hospital	Skill	10
Total				30