

**SBS UNIVERSITY, BALAWALA, DEHRADUN**  
**SCHEME OF COURSE**  
**B.Sc. MEDICAL LAB. TECHNOLOGY**

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-I</b>						
General Haematology	MLBT-111	3-0-0	3	50	50	100
Human Anatomy and Physiology-I	MLBT-112	3-0-0	3	50	50	100
Biochemical Techniques	MLBT-113	3-0-0	3	50	50	100
Introduction to Medical Microbiology	MLBT-114	3-0-0	3	50	50	100
Preventive Medicine and Health Care	MLBT-115	3-0-0	3	50	50	100
Basic communication	AECC-111	2-0-0	2	50	50	100
Practical-I (MLBT-111 &112)	MLBT-116	0-0-4	2	50	50	100
Practical-II (MLBT-113)	MLBT-117	0-0-4	2	50	50	100
Practical-III (MLBT-114 &115)	MLBT-118	0-0-4	2	50	50	100
Total credits			<b>23</b>			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-II</b>						
Basic Pathology	MLBT-121	3-0-0	3	50	50	100
Human Anatomy and Physiology-II	MLBT-122	3-0-0	3	50	50	100
Biomolecules	MLBT-123	3-0-0	3	50	50	100

Fundamentals of Medical Microbiology	MLBT-124	3-0-0	3	50	50	100
Instrumentation in Medical Microbiology	MLBT-125	3-0-0	3	50	50	100
Introduction to Psychology and sociology	MLBT-126	2-0-0	2	50	50	100
Environmental Science	AECC-121	2-0-0	2			
Practical-I (MLBT-121 &122)	MLBT-127	0-0-4	2	50	50	100
Practical-II (MLBT-123)	MLBT-128	0-0-4	2	50	50	100
Practical-III (MLBT--124 &125)	MLBT-129	0-0-4	2	50	50	100
Total credits			<b>25</b>			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-III</b>						
Clinical Haematology-I	MLBT-231	3-0-0	3	50	50	100
Histopathology and Cytology-I	MLBT-232	3-0-0	3	50	50	100
Automation and instrumentation in Clinical Biochemistry	MLBT-233	3-0-0	3	50	50	100
Human Metabolism	MLBT-234	3-0-0	3	50	50	100
Systemic Bacteriology	MLBT-235	3-0-0	3	50	50	100
Introduction to Entomology	MLBT-236	3-0-0	3	50	50	100
Practical-I (MLBT-231 &232)	MLBT-237	0-0-4	2	50	50	100
Practical-II (MLBT-233&234)	MLBT-238	0-0-4	2	50	50	100
Practical-III (MLBT--235 &236)	MLBT-239	0-0-4	2	50	50	100
Total credits			<b>24</b>			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-IV</b>						
Clinical Haematology-II	MLBT-241	3-0-0	3	50	50	100
Histopathology and Cytology-II	MLBT-242	3-0-0	3	50	50	100

Clinical Enzymology	MLBT-243	3-0-0	3	50	50	100
Clinical Biochemistry	MLBT-244	3-0-0	3	50	50	100
Bacterial Pathogens	MLBT-245	3-0-0	3	50	50	100
Medical Parasitology	MLBT-246	3-0-0	3	50	50	100
Practical-I (MLBT-241 &242)	MLBT-247	0-0-4	2	50	50	100
Practical-II (MLBT-243&244)	MLBT-248	0-0-4	2	50	50	100
Practical-III (MLBT--245 &246)	MLBT-249	0-0-4	2	50	50	100
Total credits			<b>24</b>			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-V</b>						
Transfusion Medicine and Immunochemistry-I	MLBT-351	3-0-0	3	50	50	100
Applied Histopathology and Cytological Techniques-I	MLBT-352	3-0-0	3	50	50	100
Diagnostic Hormonology	MLBT-353	3-0-0	3	50	50	100
Diagnostic Hormonology and Infertility	MLBT-354	3-0-0	3	50	50	100
Medical virology	MLBT-355	3-0-0	3	50	50	100
Applied microbiology and Immunology	MLBT-356	3-0-0	3	50	50	100
Practical-I (MLBT-351 &352)	MLBT-357	0-0-4	2	50	50	100
Practical-II (MLBT-353&254)	MLBT-358	0-0-4	2	50	50	100
Practical-III (MLBT--355 &356)	MLBT-359	0-0-4	2	50	50	100
Total credits			<b>24</b>			

Title of the course	Course code	L-T-P/Week	No. of Credits	University Exam	Internal assessment	Total
<b>SEMESTER-VI</b>						

Transfusion Medicine and Immunohematology-II	MLBT-361	3-0-0	3	50	50	100
Applied Histopathology and Cytological Techniques-II	MLBT-362	3-0-0	3	50	50	100
Research Methodology and Toxicology	MLBT-363	3-0-0	3	50	50	100
Tumor & Cancer Markers	MLBT-364	3-0-0	3	50	50	100
Medical Mycology	MLBT-365	3-0-0	3	50	50	100
Advanced Medical Microbiology and Laboratory Management	MLBT-366	3-0-0	3	50	50	100
First Aid	MLBT-367	2-0-0	2	50	50	100
Practical-I (MLBT-361 &362)	MLBT-357	0-0-4	2	50	50	100
Practical-II (MLBT-363&364)	MLBT-358	0-0-4	2	50	50	100
Practical-III (MLBT--365 &366)	MLBT-359	0-0-4	2	50	50	100
Total credits			<b>26</b>			
<b>Grand Total of Credits</b>			<b>146</b>			