

**Vinayaka Mission's Research Foundation**  
**Faculty of Allied Health Sciences**  
**CBCS Pattern Syllabus & Curriculum**  
**B.Sc Medical Lab Technology**  
**for the students admitted from the academic year 2022 - 2023 batch**  
**and on wards**

Subject code	Course title	Hours per week			C	Hrs
		L	T	P/ CR		
<b>First Semester Theory</b>						
BMLAEC01	General Psychology	2	0	0	2	30
BMLSEC01	To be chosen by students	2	0	0	2	30
BMLCT01	Human Anatomy	4	0	0	4	60
BMLCT02	Human Physiology	4	0	0	4	60
BMLCT03	Biochemistry	4	0	0	4	60
<b>Practical</b>						
BMLCL01	Human anatomy Practical	0	0	2	2	60
BMLCL02	Human Physiology Practical	0	0	2	2	60
BMLCL03	Biochemistry	0	0	2	2	60
<b>Second Semester Theory</b>						
BMLAEC02	Basic Food and Nutrition	2	0	0	2	30
BMLSEC02	To be chosen by students	2	0	0	2	30
BMLCT04	Basic Clinical Biochemistry	4	0	0	4	60
BMLCT05	General Medical Microbiology	4	0	0	4	60
BMLCT06	Basic Haematology	4	0	0	4	60
<b>Practical</b>						
BMLCL04	Basic Clinical Biochemistry- Practical	0	0	2	2	60
BMLCL05	General Medical Microbiology- Practical	0	0	2	2	60
BMLCL06	Basic Haematology- Practical	0	0	2	2	60
<b>Third Semester Theory</b>						
BMLAEC03	Environmental Sciences	2	0	0	2	30
BMLSEC03	To be chosen by students	2	0	0	2	30
BMLCT07	Biochemical Metabolism	4	0	0	4	60
BMLCT08	Systemic Bacteriology	4	0	0	4	60
BMLCT09	Applied Histopathology	4	0	0	4	60
<b>Practical</b>						
BMLCL07	Biochemical Metabolism- Practical	0	0	2	2	60
BMLCL08	Systemic Bacteriology- Practical	0	0	2	2	60

BMLCL09	Applied Histopathology- Practical	0	0	2	2	60
<b>Fourth Semester</b>						
<b>Theory</b>						
BMLSEC04	To be chosen by students	2	0	0	2	30
BMLCT10	Analytical Clinical Biochemistry	4	0	0	4	60
BMLCT11	Immunology and Bacterial Serology	4	0	0	4	60
BMLCT12	Blood and Blood Transfusion	4	0	0	4	60
<b>Practical</b>						
BMLCL10	Analytical Clinical Biochemistry - Practical	0	0	2	2	60
BMLCL11	Immunology and Bacterial Serology- Practical	0	0	2	2	60
BMLCL12	Blood and Blood Transfusion- Practical	0	0	2	2	60
<b>Fifth Semester</b>						
<b>Theory</b>						
BMLSEC05	To be chosen by students	2	0	0	2	30
BMLDST01	Applied Clinical Biochemistry I	4	0	0	4	60
BMLDST02	Medical Parasitology and Entomology	4	0	0	4	60
BMLDST03	Tissue culture and Immunohistochemistry	4	0	0	4	60
<b>Practical</b>						
BMLDSL01	Applied Clinical Biochemistry I - Practical	0	0	2	2	60
BMLDSL02	Medical Parasitology and Entomology- Practical	0	0	2	2	60
BMLDSL03	Tissue culture and Immunohistochemistry - Practical	0	0	2	2	60
<b>Sixth Semester</b>						
<b>Theory</b>						
BMLSEC06	To be chosen by students	2	0	0	2	30
BMLDST04	Applied Clinical Biochemistry II	4	0	0	4	60
BMLDST05	Medical Mycology and Virology	4	0	0	4	60
BMLDST06	Applied Cytopathology	4	0	0	4	60
<b>Practical</b>						
BMLDSL04	Applied Clinical Biochemistry II- Practical	0	0	2	2	60
BMLDSL05	Medical Mycology and Virology- Practical	0	0	2	2	60
BMLDSL06	Applied Cytopathology- Practical	0	0	2	2	60
<b>Fourth Year</b>						
BMLIN01	Internship	0	0	20	20	600
BMLPRO01	Dissertation and Viva voce	0	0	6	6	120