

VENKATA PADMAVATHI COLLEGE OF B.Sc.MLT (VPCOB.Sc.MLT)

VPCOB.Sc.MLT has Approved permission by the Govt. of A.P., vide G.O.Ms.No.601, H.M. & F.W. (K2) Dept., dated 07-12-1999 and Affiliated to Dr. NTR University of Health Sciences, A.P., Vijayawada, vide Procs.No.6584/AA/99, dated 5-7-2000 for B.Sc.MLT course.

Bachelor of Medical Laboratory Technology (B.Sc.MLT) Course

Annual Intake for Admissions into B.Sc.MLT Course:-

B.Sc.MLT Course - Competent Authority Quota – 30 Seats & Management Quota – 20 Seats

Application forms **through online** are inviting for each academic year from the eligible candidates for admission into B.Sc.MLT Course without Entrance Test for the Competent Authority Quota Seats in Colleges affiliated to Dr. NTR University of Health Sciences, A.P., Vijayawada. The Prospectus of the Course, Instructions for filling online application and sample filled-in Application is also available on the University Website **<http://ntruhs.ap.nic.in>**

Eligibility for Admissions:-

Intermediate (10+2) or equivalent with Botany, Zoology, Physics and Chemistry or Intermediate Vocational (Medical Lab Technology) or Diploma in Medical Laboratory Technology or Inter with Bridge course of Biological and Physical Sciences or APOSS with Biological and Physical Sciences and should have completed 17 Years of Age as on the date fixed by the University for each academic year.

Candidates qualified 10+2 level of Education in India or Abroad OR in other Boards other than Board of Intermediate Education, A.P., Hyderabad, should take Eligibility / Equivalency Certificate from the Board of Intermediate Education, A.P., Hyderabad. Candidates requiring Equivalency Certificate be directed to address the Secretary, Board of Intermediate Education, A.P., Nampally, Hyderabad.

Registration:-

A candidate admitted to the course of B.Sc.MLT in any of the affiliated colleges shall register with the Dr. NTR University of health Sciences, A.P., Vijayawada, by remitting the prescribed Registration Fee along with the application form for Registration duly filled in by the candidate and forwarded to the University by the Head of the Institution within one month of admission.

Duration of the Course:-

The duration of certified study for the B.Sc.MLT course shall be Three (3) academic years.

Medium of Instruction:-

English will be the medium of instruction for the subjects of study and for the examinations of the B.Sc.MLT course. The text book language for all the subjects of the B.Sc.MLT course is also English.

Attendance:-

A candidate is required to put in a minimum of 85% of attendance in both theory and practicals separately in each subject before appearing for the Examination.

Examination Pattern:-

FIRST YEAR	THEORY		PRACTICALS		Total (Min: Aggr.50%)
	University (Min: 40%)	Internal Assessment (Min: 35%)	University (Min: 50%)	Internal Assessment + Record (Min: 35%)	
FIRST YEAR					
1. English Language (Prose, Poetry, Grammar)	80	20	-	-	100
2. Anatomy (Basics and Primary considerations of the human body as a whole, locomotion, anatomy of the nervous system, circulatory system, respiratory system, digestive system, excretory system, reproductive system endocrine system)	80	20	40	5+5	150
3. Physiology (Blood, CVS, Digestive system, respiratory, endocrine, nervous system, special senses, Muscles and nerve, reproductive system, excretory system)	80	20	40	5+5	150
4. Clinical Laboratory Practice (Laboratory Services, Infrastructure in the laboratories, Specimen Collection, Storage and Transport, Standard operating Procedure, Safety in Laboratories, Ethical considerations, Quality assurance, Bio waste management, Accidents and emergencies in the laboratory)	80	20	40	5+5	150
SECOND YEAR					
1. Pathology-I (Histopathology, cytology, clinical pathology, hematology museum Techniques, instrumentation)	80	20	40	5+5	150
2. Microbiology-I (General Microbiology, Immunology, Systemic Bacteriology)	80	20	40	5+5	150
3. Biochemistry-I (Chemistry and Metabolism of Carbohydrates and Proteins, Instrumentation, concepts of molecular weight,	80	20	40	5+5	150

FIRST YEAR	THEORY		PRACTICALS		Total (Min: Aggr.50%)
	University (Min: 40%)	Internal Assessment (Min: 35%)	University (Min: 50%)	Internal Assessment + Record (Min: 35%)	
atomic weight, Normality, molarity, acids, bases and buffers)					
THIRD YEAR					
1. Pathology-II (Flow and imaging cytometry, Tissue culture, cytogenetics, Immuno-histochemistry, Immuno-cytochemistry, Special stains, Forezen Sections and Cryostat, Hemorrhagic disorders, Blood transfusion and Immuno Haematology, Insrumentation)	80	20	40	5+5	150
2. Microbiology-II (Virology, Mycology, Parasitology)	80	20	40	5+5	150
3. Biochemistry-II (Metabolism Nutrients, techniques, Estimation of blood components Including enzymology, ELISA)	80	20	40	5+5	150

Promotion Rules:-

- A candidate with Two (2) backlog subjects in First Year may be promoted to Second Year B.Sc.MLT.
- A candidate with One (1) backlog subject in Second Year B.Sc.MLT may be promoted to the Third Year B.Sc.MLT course, but the candidate has to clear all the backlog subject of First & Second Years to be eligible to appear for Third Year B.Sc.MLT.

NOTE:- *SUBJECT TO MODIFICATION FROM TIME TO TIME.*