PGDMLT-1005: PRACTICALS BASED ON PAPER PGDMLT- 1001

(Medical Laboratory Technology Fundamentals)

Semester: I	
Course (subject) Code	PGDMLT-1005
Subject Title	Practicals Based on Paper PGDMLT- 1001(Medical Laboratory Technology Fundamentals)
Subject Outcome	At the end of the course, the students will able to • Calibrate and operate Laboratory Instruments • Sterilization, cleaning, handling and calibration of laboratory glass wares • Prepare various types of solutions • Provide First aid for different types of clinical laboratory hazards. • Prepare and interpret QC chart

Course Content

1. Study of Laboratory glasswares
2. Calibration of volumetric pipette
3. Cleaning and preparation of glassware for sterilization
4. Preparation of Solution (Molar, Normal and Percent)
5. Preparation of various dilutions from stock solution
6. Operation of - pH meter, Single pan Balance, Spectrophotometer/Colorimeter and Centrifuge
7. Measurement and adjustment of pH using pH meter.
8. Study of Laboratory Hazards and First Aid measures
9. Disposal of Biomedical waste
10. Preparation of Quality Control Charts: Levy-Jenin Chart

Sr. No.	Title/Edition	Authors	Publisher
1	Text Book of Medical Laboratory Technology (Volume-1)/3rd	P. B. Godkar D. P. Godkar	Bhalani Publishing House
2	Experimental Microbiology, Volume 1 & 2	Patel, R.J., and Patel,R.K	Aditya Pub
3	Medical Laboratory Technology - (Volume 1)/3rd	Kanai L Mukherjee Anuradha Chakravarthy	Mcgraw Hill Education (India) Private Limited
4	Medical Microbiology and Parasitology/4th	B. S. Nagoba Asha Pichare	ELSEVIER