PGDMLT-2002: CLINICAL PATHOLOGY

Semester: II	
Course (subject) Code	**PGDMLT-2002**
Subject Title	**Clinical Pathology**
Course Type	Core Compulsory
Teaching Time	15×4=60 Hours
Subject Outcome	The students are imparted basic training of theoretical and practical in the field of clinical pathology. The training in this subject enables the students • To carry out routine clinical laboratory investigation (urine, stool, sputum etc.). • Made to learn collection of clinical samples and their processing • Pathological sample analysis reporting and recording of data.

Course Content:

Unit No.	Content	Teaching Hours
Unit-1	**Urine Analysis**	**15 Hr.**
1.1	Formation, Composition, Indication, Collection, Preservation & Transportation of Urine specimen	
1.2	Physical Examination	
1.3	Chemical Examination	
1.4	Microscopic Examination	
1.5	Pregnancy test	
Unit-2	**Analysis of Pathological Specimen: Stool, Sputum & Semen**	**15 Hr.**
2.1	Introduction, Indications and Composition	
2.2	Collection, Preservation and Transportation of specimen	
2.3	Physical Examination	
2.4	Chemical Examination	
2.5	Microscopic Examination	
Unit-3	**Cerebrospinal Fluid (C.S.F) Analysis**	**15 Hr.**
3.1	Formation, Composition, Indication, Collection, Preservation & Transportation of CSF specimen	
3.2	Physical Examination	
3.3	Chemical Examination	
3.4	Microscopic Examination	
3.5	Correlation of Abnormal C.S.F. findings in various diseases.	
Unit-4	**Body Fluid Analysis: Collection, Physical, Chemical and Microscopic**	**15 Hr.**
4.1	Fluid Effusion: Transudate & Exudate	
4.2	Pleural	
4.3	Peritoneal	
4.4	Pericardial	
4.5	Synovial fluid	

Reference Books:

Sr. No.	Title/Edition	Authors	Publisher
1	Textbook of Medical Laboratory Technology/ 3rd	Godkar P. B.	Bhalani Publishing house.
2	Medical Laboratory Science: Theory & Practice,	Ochei J. & Kolhatkar	Tata McGraw Hill Pub.
3	Medical Laboratory Technology, Vol. II/ 2nd	Mukharjee K. L.	Tata MacGraw Hill.
4	Textbook of Pathology/ 5th	Mohan H.	Jaypee Brothers Medical publishers (P) LTD.
5	Medical Laboratory Technology, 4th ed.	Sood R.	Jaypee Brothers.
6	Essential of Clinical Pathology/ 2nd	Kawthalkar S. M.	Jaypee Brothers.