

Subject Code: 1SC2060201	Subject Title: CLINICAL PATHOLOGY
COURSE TYPE: CORE COURSE	

Course Objective: To make the students aware about the various analyses of human body fluids and feces.

Teaching scheme (hours) per week		Credit			Theory Marks		Practical Marks		Total
Theory	Practical	Theory	Practical	Total	Uni. Assessment	Cont. Assessment	Uni. Assessment	Cont. Assessment	
4	--	4	--	4	60	40	--	--	100

Unit	Content	Lectures	Weightage
1	<ul style="list-style-type: none"> Collection, Transport and Examination of Specimens: introduction, preparation of standard operation procedures; specimen collection, preservation and transportation: urine, urogenital specimens, sputum, throat and mouth specimens, pus, feces, blood and CSF. Antimicrobial sensitivity test. 	15	25%
2	<ul style="list-style-type: none"> Urine Examination: Introduction, formation of urine, Laboratory tests, physical and chemical and microscopic examination of urine, spot test analysis. Feces Examination: Introduction, protozoa, pathogenic protozoa, Helminths, routine examination of feces, Microscopic examination of stool specimen. 	15	25%
3	<ul style="list-style-type: none"> Semen Examination: Introduction, physiology of semen fluid, testicular functions and components, routine examination of semen. Sputum Examination: Introduction, chemical composition and routine examination of sputum. 	15	25%
4	<ul style="list-style-type: none"> Cerebrospinal Fluid (CSF) Examination: Introduction, composition of CSF, clinical significance, routine examination of CSF: physical, chemical and microscopic. Cavity Fluids Examination: Introduction, examination of pleural fluid, pericardial fluid, peritoneal fluid, synovial fluid. 	15	25%

Learning Outcome: The students will be able to understand collection and examination of various body fluids and feces of human.

Reference Books:

1. Text book of Medical Laboratory Technology, P.B. Godkar 2nd Edⁿ. 2003 Bhalani Publication.
2. Baker F. and Silverston R. Introduction to Medical Laboratory Technology.
3. Medical Laboratory Technology: Procedure Manual for Routine Diagnostic Tests by Mukherjee, McGraw Hill Education.
4. Sanyal S. Clinical Pathology: A Practical Manual. Elsevier.
5. McPherson and Pincus. Henry's Clinical Diagnosis and Management. Saunders publishers.