

Subject Code: 1SC2060203	Subject Title: HISTOPATHOLOGY & CYTOLOGY
COURSE TYPE: CORE COURSE	

Course Objective: The students aware about the various Histopathology and Cytology techniques for tissue and cells.

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	Histopathology techniques I Introduction to histopathology and cytology, equipments and instruments use in histopathology, method for histopathological examination of tissues and cells.	15	25%
2	Histopathology techniques II Fixation, various types of fixatives, Decalcification & its reagents, Tissue embedding process, working of automatic tissue processor and cryostat, staining procedure, immunohistochemistry.	15	25%
3	Cytological techniques Introduction, normal and abnormal cells, sampling techniques in cytology, cytological tests, fixation of cytological smears, Liquid-based cytology	15	25%
4	Museum Techniques Introduction, preparation of specimen, storage of specimen, mounting of museum specimen	15	25%

Learning Outcome: Students will learn the fundamental aspects of histopathological and cytological studies of various samples and its importance in diagnosis.

Reference Books:

1. Text book of Medical Laboratory Technology, P.B. Godkar 2nd Edⁿ. 2003 Bhalani Publication.
2. Singh I. Textbook of Human Histology. Jaypee Publishers, New Delhi
3. Laxminarayan K. Histological techniques. Bhalani Publishing House.