Hindi Vidya Prachar Samiti's

Ramniranjan Jhunjhunwala College

of Arts, Science & Commerce

(Empowered Autonomous College)

Affiliated to

UNIVERSITY OF MUMBAI

Syllabus for the B.Sc.

Program: B.Sc. Medical Imaging Technology

Program Code: RJSUMIT

National Education Policy (NEP 2020)

SEMESTER	:	**IV**
TITLE	:	**MINOR**
TITLE OF THE SUBJECT/COURSE	:	Mammography and BMD
COURSE CODE	:	RJMINMIT411
CREDITS	:	02
DURATION	:	30 hrs

LEARNING OBJECTIVES	
1	To learn physics of mammography and its working.
2	To study various views of mammography.
3	To learn physics of BMD and its working.

Course Outcome No.	On completing the course, the student will be able to:	PSO Addressed	Bloom's Levels
CO1	Perform mammography views with proper exposure control.	1, 2 & 3	BT level 1, 2, 3, 4 & 5
CO2	Perform BMD views with proper exposure control.	1, 2 & 3	BT level 1, 2, 3, 4 & 5
CO3	To follow all radiation safety protocols in mammography and BMD.	1, 2 & 3	BT level 1, 2, 3, 4 & 5

SYMIT Semester IV			
Course Code: RJMINMIT411		**Title:** Mammography and BMD	**Credits**
Unit	**Unit Name**	**Topics**	**2**
I	Mammography techniques	Mammography physics, scanner requirement, CC view, MLO view, ML view, spot compression view, clevage view, Magnification view. Pathologies highlighted.	2
II	BMD techniques	BMD Physics, Z score, T score, Osteoporosis, Osteopenia, etc. Radiation Safety in BMD.	
References: ● Digital Image Mammography: Concepts and techniques - Dr. K Rajendra Prasad			