

1852 – MODERN IMAGING TECHNIQUES AND RECENT TRENDS IN IMAGING

UNIT 1

SUB TOPIC – 1 MAMMOGRAPHY

I.Elaborate on

10 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Discuss in detail about Digital Mammography with Tomosynthesis.	April 2024	Analyze
2	Write on Advanced Projections in Mammography.	January 2025	Apply

II. Write notes on

5 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Stereotactic biopsy using mammography.	January 2022	Understand
2	Advantage and limitation of Sonomammogram.	April 2023	Understand
3	Digital Breast Tomography.	November 2023	Understand
4	Advantages and limitations of Sonomammogram procedure.	April 2024	Understand
5	Spot compression and Spot magnification view in mammography.	April 2025	Understand

III.WRITE SHORT NOTES ON

3 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Mammo tomogram.	January 2022	Remember
2	Heel effect in mammogram.	September 2022	Understand
3	Magnification in mammogram.	April 2023	Understand
4	What are the Image criteria for adequate Cranio–Caudal and MLO view in Mammography?	April 2024	Understand
5	Cleavage view.	April 2025	Remember

SUB TOPIC – 2 ULTRASONOGRAPHY/DOPPLER STUDIES

I. Elaborate on

10 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Define Ultrasound and Modes of Ultrasound.	April 2023	Analyze

II. Write notes on

5 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	TRUS.	January 2022	Understand
2	Doppler ultrasound.	January 2022	Understand
3	Linear Probe and its uses.	September 2022	Understand
4	Sector probe and its uses.	April 2023	Understand
5	Curvilinear Probe and its uses.	November 2023	Understand
6	Color Doppler Imaging.	April 2024	Understand
7	Describe color Doppler Imaging.	January 2025	Understand
8	What is the clinical application of Sonoelastography? Name any two organs in which it is applied to?	April 2025	Apply

III. WRITE SHORT NOTES ON

3 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	List any three clinical applications of ultrasound.	January 2022	Remember
2	Deep vein thrombosis.	January 2022	Understand
	TVS scan.	January 2025	Remember