

B.Sc., RADIOGRAPHY AND IMAGING TECHNOLOGY**1851 – EQUIPMENTS OF ADVANCED IMAGING MODALITIES****UNIT 2****SUB TOPIC – 3 CT SCAN SYSTEM****I. Elaborate on 10 MARKS****Reference – The Tamilnadu Dr.M.G.R Medical University Question Paper**

S.No	Question	Reference	Bloom's Taxonomy
1	Write in detail about CT scan systems as a special radiography technique, including history, generations of scanners, CT technology, helical/spiral & multi slice CT, ultra fast scanners, system components, performance parameters, image quality and methods of image reconstruction, radiation dose measurements, technical aspects of Q.A, calibration and image acquisition.	November 2025	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	Write notes on history, generations of scanners, CT technology, helical/spiral & multi slice CT, and ultra fast scanners in CT scan systems, with focus on evolution and procedural advancements.	April 2025	Understand
2	Write notes on system components, performance parameters, image quality, methods of image reconstruction, radiation dose measurements, technical aspects of Q.A, calibration, and image acquisition in CT scan systems.	March 2024	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	Radiation dose measurements and technical aspects of Q.A in CT scan systems.	November 2025	Apply
2	Calibration and image acquisition in CT scan systems.	April 2024	Remember