

1843 – RADIOGRAPHY EQUIPMENTS, MAINTENANCE AND QUALITY CONTROL RELATED TO X-RAY ONLY

UNIT 2

SUB TOPIC – 3 FLUOROSCOPY

I. Elaborate on

10 MARKS

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

S.No	Question	Reference	Bloom's Taxonomy
1	What is fluoroscopy? Discuss in detail about its various types and their advantages.	November 2022	Analyze
2	Describe with neat diagram, the construction and working of image intensifier.	February 2020	Analyze
3	Describe with neat diagram, the construction and working of Image Intensifier.	April 2023	Analyze
4	What is Fluoroscopy? Explain its types with neat diagram.	April 2024	Analyze
5	Write in detail about Fluoroscopy: Fluoroscopic equipment-Direct fluoroscopy – The serial changer (spot film device) - Fluoroscopic screen -fluoroscopic image -factors affecting the Fluoroscopic image. Image intensifier tubes – principle construction and function regarding intensified image- cine fluorography-mode of operation - Types of day light film handling system-optical coupling and methods of viewing- Automatic brightness control- tilting tables - over and under couch tubes-safety features. The television process – television camera tube– the Cathode ray tube – television image-CCTV. Quality assurance tests for fluoroscopic equipment.	-	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	Direct fluoroscopy and its disadvantages.	February 2020	Understand
2	Direct fluoroscopy and its disadvantages.	March 2021	Understand
3	Compare and contrast direct and indirect fluoroscopy.	April 2022	Understand
4	Automatic Brightness Control.	August 2019	Understand
5	Image Intensifier Tube.	April 2023	Understand
6	Automatic brightness control in fluoroscopy.	April 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	Disadvantages of direct fluoroscopy.	August 2019	Remember
2	Spot film device.	March 2021	Remember
3	Cine fluoroscopy.	March 2021	Remember

4	Safety steps in Fluoroscopy.	April 2024	Remember
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SUB TOPIC – 4 COMPUTED RADIOGRAPHY

I. Elaborate on

10 MARKS

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

S.No	Question	Reference	Bloom's Taxonomy
1	Describe in detail, principle of image formation in Computed Radiography.	August 2019	Analyze
2	Write in detail about the principle of image formation in CR and write down its advantages and disadvantages.	November 2023	Analyze
	Write in detail about Computed Radiography (C.R) –equipment parts –advances- principle of imaging – applications- advantages & disadvantages.	-	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	Construction of CR image reader.	February 2020	Understand
2	CR image reader.	March 2021	Understand
3	Advantages of DR over CR	April 2022	Understand
	Construction of CR image reader.	April 2023	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	Photostimulable luminiscence.	February 2020	Remember
2	Advantages of CR.	April 2024	Remember