



B.Sc., RADIOGRAPHY AND IMAGING TECHNOLOGY 1848 - CONTRAST AND SPECIAL RADIOGRAPHY PROCEDURES

UNIT 1

SUB TOPIC – 3 CONTRAST 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	Write in detail about contrast radiography, including radiological contrast media classification, need for radiological contrast media, methods of administration, dosage, reactions to contrast media, and role of radiographer in management of patient with contrast reaction. Also discuss for all contrast investigations: patient preparation, positioning, patient care during the study, post-procedural patient care, types of contrast media used and dosage, alternative contrast used, side effects and its identification, treatment of complication during the procedure, pathological conditions, indications and contraindications, injection procedure, techniques for radiographic projections, radiographic appearances, and radiation protection, with specific reference to sialogram.	November 2024	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 patient preparation, positioning, and patient	April 2025	Understand
	care during contrast investigations, including sialogram.		
2	Write notes on types of contrast media used, dosage,	March 2023	Understand
	alternative contrast, side effects, and treatment of		
	complications in contrast radiography.		

III. WRITE SHORT NOTES ON 3 MARKS

S.No	Question	Reference	Bloom's Taxonomy
1	Indications, contraindications, and radiation protection in contrast investigations.	November 2023	Apply
2	Sialogram: injection procedure, techniques for radiographic projections, and radiographic appearances.	April 2022	Remember



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SUB TOPIC -5 SIALOGRAM

I. ELABORATE ON 10 MARKS

Reference – The Tamilnadu Dr.M.G.R Medical University Question Paper

S.No	Question	Reference (Exam	Bloom's
		Month & Year)	Taxonomy
1	Explain in detail about the indications,	October 2019,	Understand +
	contraindications, contrast media, technique	April 2023	Analyse
	and aftercare of Sialography.		
2	Describe the anatomy of salivary glands.	April 2017,	Knowledge +
	Explain the procedure of sialography with	October 2022	Understand
	suitable diagrams.		
3	Classify salivary gland disorders. Discuss in	February 2021,	Analyse +
	detail the procedure of sialography.	April 2024	Understand

II. WRITE NOTES ON 5 MARKS

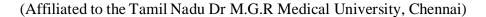
S.No	Question	Reference (Exam Month	Bloom's
		& Year)	Taxonomy
1	Write in detail about technique of sialography.	October 2018, April 2022	Understand
2	Indications and contraindications of sialography.	February 2020, October 2023	Knowledge
3	Contrast media and cannulae used in sialography.	April 2019	Knowledge
4	Aftercare and complications of sialography.	October 2021	Understand
5	Sialography – definition and indications.	April 2016, February 2025	Knowledge
6	Cannulation of Stensen's duct / Wharton's duct.	October 2017	Understand
7	Normal radiographic appearances in sialography.	April 2018	Knowledge
12	Lemon test in sialography.	October 2020	Knowledge
13	Sialoliths and sialadenitis.	February 2022	Knowledge



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III. WRITE SHORT NOTES ON 3 MARKS

S.No	Question	Reference (Exam Month & Year)	Bloom's Taxonomy
1	Sialography – definition and indications.	April 2016, February 2025	Knowledge
2	Cannulation of Stensen's duct / Wharton's duct.	October 2017	Understand
3	Normal radiographic appearances in sialography.	April 2018	Knowledge
4	Lemon test in sialography.	October 2020	Knowledge
5	Sialoliths and sialadenitis.	February 2022	Knowledge





SUB TOPIC – 3 TRAUMA/EMERGENCY 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	Write in detail about trauma/emergency radiography as a	November	Analyze
	special radiography technique, including selection of	2022	
	suitable X-Ray equipment, patient position, radiographic		
	projections and sequence for each patient, modification of		
	routine positioning, radiation protection, and patient care.		

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 selection of suitable X-Ray equipment	April 2023	Understand
	and patient position in trauma/emergency radiography.		
2	Write notes on radiographic projections and sequence for	March	Understand
	each patient, including modification of routine	2021	
	positioning in trauma/emergency radiography.		

III. WRITE SHORT NOTES ON 3 MARKS

S.No	Question	Reference	Bloom's Taxonomy
1	Radiation protection in trauma/emergency	November	Apply
	radiography.	2023	
2	Patient care in trauma/emergency radiography.	April 2022	Remember





SUB TOPIC – 4 OPERATION THEATRE 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	Write in detail about operation theatre radiography as a special radiography technique, including O.T procedures, operative cholangiography, orthopaedic procedures, maintenance of asepsis, preparation of radiographer and equipment/accessories, careful safe use of mobile and fluoroscopic equipment, radiation protection, patient care, rapid availability of radiographic image, cooperation with OT staff, type of studies done, clinical applications, per operative radiographs, peroperative fluoroscopy studies, and radiation protection of all staff.	November 2022	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 O.T procedures, operative	April 2023	Understand
	cholangiography, and orthopaedic procedures in		
	operation theatre radiography.		
2	Write notes on maintenance of asepsis, preparation of	March	Understand
	radiographer and equipment/accessories, and careful safe	2021	
	use of mobile and fluoroscopic equipment in operation		
	theatre radiography.		

III. WRITE SHORT NOTES ON 3 MARKS

S.No	Question	Reference	Bloom's
			Taxonomy
1	Radiation protection and patient care in operation theatre radiography.	November 2023	Apply
2	Type of studies done, clinical applications, and cooperation with OT staff in operation theatre radiography.	November 2024	Apply