

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 care during contrast investigations, including sialogram.	April 2025	Understand
2	Write notes on types of contrast media used, dosage, alternative contrast, side effects, and treatment of complications in contrast radiography.	March 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	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

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 Month & Year)	Bloom's Taxonomy
1	Explain in detail about the indications, contraindications, contrast media, technique and aftercare of Sialography.	October 2019, April 2023	Understand + Analyse
2	Describe the anatomy of salivary glands. Explain the procedure of sialography with suitable diagrams.	April 2017, October 2022	Knowledge + Understand
3	Classify salivary gland disorders. Discuss in detail the procedure of sialography.	February 2021, April 2024	Analyse + Understand

II. WRITE NOTES ON 5 MARKS**Reference – The Tamilnadu Dr.M.G.R Medical University Question Paper**

S.No	Question	Reference (Exam Month & Year)	Bloom's 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

III. WRITE SHORT NOTES ON 3 MARKS

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

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 special radiography technique, including selection of suitable X-Ray equipment, patient position, radiographic projections and sequence for each patient, modification of routine positioning, radiation protection, and patient care.	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 selection of suitable X-Ray equipment and patient position in trauma/emergency radiography.	April 2023	Understand
2	Write notes on radiographic projections and sequence for each patient, including modification of routine positioning in trauma/emergency radiography.	March 2021	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 protection in trauma/emergency radiography.	November 2023	Apply
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 cholangiography, and orthopaedic procedures in operation theatre radiography.	April 2023	Understand
2	Write notes on maintenance of asepsis, preparation of radiographer and equipment/accessories, and careful safe use of mobile and fluoroscopic equipment in operation theatre radiography.	March 2021	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 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