

B.Sc., RADIOGRAPHY AND IMAGING TECHNOLOGY**1848 – CONTRAST AND SPECIAL RADIOGRAPHY PROCEDURES****UNIT 3****SUB TOPIC – 6 BARIUM 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	Write in detail about barium studies as a special radiography technique, including different types such as barium swallow, barium meal study of upper GIT, barium meal follow through, barium enema, small bowel enema, distal colography, defaecography, patient preparation, contrast agents used, procedural steps, indications, contraindications, and radiation protection measures.	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 different types of barium studies, including barium swallow, barium meal study of upper GIT, and barium meal follow through, with focus on procedural steps and indications.	April 2023	Understand
2	Write notes on barium enema, small bowel enema, distal colography, and defaecography in barium studies, including patient preparation and contraindications.	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	Contrast agents and radiation protection in barium studies.	November 2023	Apply
2	Indications and procedural modifications for defaecography in barium studies.	April 2022	Remember

SUB TOPIC – 7 CHOLANGIOGRAPHY PROCEDURES**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 cholangiography procedures as special radiography techniques, including percutaneous transhepatic cholangiogram, ERCP, T-tube cholangiography, per-operative cholangiography, equipment used, patient preparation, procedural steps, clinical indications, potential complications, and radiation protection for patient and 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 percutaneous transhepatic cholangiogram and ERCP, including equipment, patient preparation, and procedural steps.	April 2023	Understand
2	Write notes on T-tube cholangiography and per-operative cholangiography, including clinical indications and potential complications.	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 cholangiography procedures.	November 2023	Apply
2	Clinical applications of ERCP in cholangiography.	April 2022	Remember

SUB TOPIC – 8 UROGRAPHY AND RELATED PROCEDURES**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 urography and related procedures as special radiography techniques, including IVP (rapid sequence, infusion pyelography, high dose urography), cystogram, anterior urethrogram (RGU), MCU, RCP, patient preparation, contrast media, procedural sequences, indications, contraindications, technical considerations, and radiation safety measures.	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 IVP including rapid sequence, infusion pyelography, and high dose urography, with emphasis on procedural sequences and patient preparation.	April 2023	Understand
2	Write notes on cystogram, anterior urethrogram (RGU), MCU, and RCP, including indications and technical considerations.	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 safety measures in urography procedures.	November 2023	Apply
2	Indications for MCU and RCP in urography.	April 2022	Remember