

B.Sc., RADIOGRAPHY AND IMAGING TECHNOLOGY**1848 – CONTRAST AND SPECIAL RADIOGRAPHY PROCEDURES****UNIT 1****SUB TOPIC – 1 PAEDIATRIC IMAGING****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 paediatric imaging as a special radiography technique, including special needs of patient and radiographer, use of dedicated equipment and accessories, modified technical considerations, selection of exposure factors, image quality considerations, radiation protection of the patient, and special techniques in children for contrast studies.	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 special needs of patient and radiographer in paediatric imaging, including use of dedicated equipment and accessories.	April 2023	Understand
2	Write notes on modified technical considerations and selection of exposure factors in paediatric imaging, including image quality 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 protection of the patient in paediatric imaging.	November 2023	Apply
2	Special techniques in children for contrast studies in paediatric imaging.	April 2022	Remember

SUB TOPIC – 2 GERIATRIC 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 geriatric radiography as a special radiography technique, including equipment and accessories, exposure factor considerations in special care, elderly patients profile, difficulties during radiography, technical considerations, and projections with unconventional special positioning.	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 equipment and accessories, and exposure factor considerations in special care for geriatric radiography.	April 2023	Understand
2	Write notes on elderly patients profile and difficulties during radiography in geriatric 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	Technical considerations in geriatric radiography.	November 2023	Apply
2	Projections with unconventional special positioning in geriatric radiography.	April 2022	Remember

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