

Question Paper

Exam Date & Time: 16-Dec-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER BSc. MEDICAL IMAGING TECHNOLOGY DEGREE EXAMINATION - DECEMBER 2024
SUBJECT: MIT2102 - RADIOGRAPHIC SPECIAL PROCEDURES
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Illustrate in detail the anatomy of the large bowel. Explain the radiological procedure to evaluate acute colon obstruction (20)
- 2) Illustrate in detail the anatomy of the lower urinary tract. Describe the preparation, procedure, and filming techniques done to evaluate the lower urinary tract (20)
- 3) Explain in detail the contrast media toxicity and reactions (10)
- 4) Explain the indications, contraindications, preparation, procedure, and filming done for the procedure to evaluate the patency of fallopian tubes. (10)
- 5A) Outline indication, patient preparation, and post-procedural care for catheter angiography (5)
- 5B) Explain the procedure and filming techniques for small bowel enema (5)
- 5C) Outline indication, contraindication procedure, and filming techniques for sialography (5)
- 5D) Illustrate the anatomy of the nasolacrimal duct system and outline the filming techniques (5)
- 5E) Illustrate barium swallow for foreign body impaction (5)
- 5F) Outline filming technique for IVU in adults and children (5)
- 6A) What are the features of ideal contrast media? (2)
- 6B) List patient preparation for barium meal follow-through (2)
- 6C) List out the advantages and disadvantages of single-contrast and double-contrast studies. (2)
- 6D) Explain catheter sterilization techniques (2)
- 6E) Outline features of lopamidol (2)

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