

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.

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| 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 Iopamidol | (2) |

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