

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY
SECOND YEAR
PAPER III – CONTRAST & SPECIAL RADIOGRAPHY PROCEDURES**

Q.P. Code: 801833

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Hystosalpingography: Indication, contra-indication, patient preparation, procedure with radiographic views and after care.
2. Barium Enema: Indication, contra-indication, patient preparation, procedure and after care.
3. Discuss the function of Image Intensifier and how it is useful for radiological procedure? How to minimize radiation during Fluoroscopy?

II. Write notes on: **(8 x 5 = 40)**

1. Explain briefly about Fistulogram procedure and indication.
2. Procedure, indication and contra indication for Ascending Urethrogram.
3. Explain the film sequences and indication for Intravenous Urography.
4. Explain the procedure and radiography views taken for Barium Swallow.
5. Enteroclysis – procedure and indication.
6. Percutaneous Transhepatic Cholangiography – indication, contra-indication and procedure.
7. Explain the role of radiographer during mild and severe contrast reaction.
8. Explain the procedure for ERCP.

III. Short answers on: **(10 x 3 = 30)**

1. Use of Higginson's pump.
2. Indication and contra indication for MCU.
3. ALARA.
4. Atomic numbers of Iodine and Barium.
5. Difference between single and double contrast study.
6. Preparation for Sialography.
7. Explain Consent.
8. 10 day rule.
9. Advantages of non – ionic IV contrast.
10. Use of lead gloves and lead apron.