

DIPLOMA IN RADIOLOGY IMAGING TECHNOLOGY**SECOND YEAR****PAPER III – CONTRAST AND SPECIAL RADIOGRAPHY PROCEDURES***Q.P. Code: 841413***Time : Three Hours****Maximum : 100 Marks****Answer All questions.****I. Elaborate on:****(3 x 10 = 30)**

1. Explain Barium swallow procedure with the complications of
(a) Foreign body (b) Oesophageal Variieces
(c) Severe Dysphagia (d) Hiatus Hemia
2. Write in detail about the basic principle and data acquisition of image intensifier.
How it differs from fluoroscopy.
3. Explain about the indications, contraindications, preparation of patient, contrast medium and radiographic views taken for an intravenous urogram.

II. Write notes on:**(10 x 5 = 50)**

1. Barium enema for child – modifications.
2. Bilbao dotter tube – describe, where it is used, why?
3. RGP.
4. ERCP.
5. Hypotonic duodenography.
6. Oral cholecystogram.
7. Ureteric compression.
8. Adverse reactions of contrast medium.
9. Explain about the benefits of image intensifiers.
10. Explain in detail about the T Tube cholangiogram procedure.

III. Short answers on:**(10 x 2 = 20)**

1. Radiographic view best used to demonstrate oesophagogastric junction.
2. Use of penile clamp.
3. What is Nephrogram and how to get it?
4. What precaution to be takes while doing cervical myelography?
5. What all can be diagnosed in plain X-ray during pregnancy?
6. Write the advantages of the preliminary or pilot films.
7. What are the difference between the Ionic and non-ionic contrast medium?
8. Define fluoroscopy.
9. What is the ten day rule?
10. Enteroclysis contrast medium preparation.
