

[LB 0212]

AUGUST 2012

Sub. Code: 1803

B.Sc. RADIOLOGY IMAGING TECHNOLOGY AND

B.Sc. RADIO DIAGNOSIS TECHNOLOGY

FIRST YEAR

PAPER III – RADIO DIAGNOSIS EQUIPMENTS,

MAINTENANCE AND QUALITY CONTROL

Q.P. Code : 801803

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

1. Factor affecting image quality of radiograph.	7	20	10
2. Types of grids and its effect on image quality.	7	20	10
3. First generation CT.	7	20	10

II. Write notes on:

1. mAs.	4	10	5
2. Gamma camera.	4	10	5
3. Chest X-Ray PA view.	4	10	5
4. Type of magnets used in MRI.	4	10	5
5. Portable X-Ray – Advantages & disadvantages.	4	10	5
6. Ultrasonography.	4	10	5
7. Focal spot.	4	10	5
8. Cones & diaphragms.	4	10	5

III. Short answers on:

1. Barium sulphate.	2	4	3
2. CT contrast media.	2	4	3
3. CT number.	2	4	3
4. Spiral CT.	2	4	3
5. Fluoroscopy.	2	4	3
6. Doppler effect.	2	4	3
7. Breast imaging.	2	4	3
8. Radiation protection.	2	4	3
9. Lead apron.	2	4	3
10. Control panel of radiographic equipment.	2	4	3
