

QP Code:101116

Reg.No.:.....

PG Degree Examinations in Radiodiagnosis (MD) - May 2013

**Paper I - Basic Science, Radiation Physics, Radiological Anatomy and
Contrast Media**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays: (20)

1. Describe basic principles and functioning of digital radiography system and brief about-

- Types of detectors in digital radiograph.
- Advantages of digital radiography.

Short essays: (10x8=80)

2. Radiological anatomy of retroperitoneum .
3. Radiation protection steps in DSA room.
4. Pathology of hepato cellular carcinoma (HCC).
5. MRI contrast agents.
6. Physiology of glomerular filtration .
7. Radiotracers for bone scintigraphy.
8. Pathophysiology of pulmonary embolism
9. Management of adverse reactions of intravenous contrast materials used in CT study
