

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
