

QP Code:101116

Reg.No.:.....

PG Degree Examinations in Radiodiagnosis (MD) - May 2014

**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 the parts of a X-ray tube and brief about

- Type of X-ray tubes
- Production of X-rays
- Primary beam collimation

Short essays: (10x8=80)

2. Radiation safety steps in C.T room.
3. Anatomy of aortic arch.
4. Pathophysiology of pulmonary tuberculosis.
5. Oral contrast agents.
6. Dry-film processing systems.
7. Pathophysiology of bile stones.
8. Radiotracers for renal scintigraphy.
9. Physiology of thyroid hormones.
