

QP Code:101116

Reg.No.:.....

**PG Degree Supplementary Examinations in Radiodiagnosis (MD) -
November 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. Plan a radiology department for 500 bedded hospital

Short essays: (10x8=80)

2. Principle of multi-detector row CT
3. State the principle of radiation protection. Discuss about the dose reduction strategies in fluoroscopy
4. Discuss about various types of grids. What are the various reasons for grid cut-off
5. Basic image formation in MRI
6. Radiological anatomy of retroperitoneum
7. Radiographic technique of townes view and lordotic view
8. Reaction from contrast agents used in CT
9. Discuss computed radiography and indirect digital radiography
