

QP Code:101116

Reg.No.:.....

**PG Degree Supplementary Examinations in Radio diagnosis (MD) -
November 2015**

**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. Explain in detail how the scattered radiation affect the images in radiology and enumerate the methods to reduce scatter radiation producing bad effects on the image.

Short essays: (8x10=80)

2. Anatomy of circle of willis
3. Structure of a radiographic film
4. Superconductive magnets in MRI
5. Contrast enhanced ultrasound
6. CT cisternography
7. Artifacts in MRI
8. TLD badge
9. High KV technique
