

QP Code: 101116

Reg. No.:.....

**PG Degree Supplementary Examinations in Radio diagnosis (MD)
October 2018**

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

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Describe the phenomenon of nuclear magnetic resonance. Describe the salient parts of a superconducting MRI system.

Short essays:

(8x10=80)

2. Compton effect
3. Filters in radiography and CT
4. USG gel
5. Intensifying screens
6. TRUS anatomy of prostate
7. Congenital tracheo-oesophageal fistula
8. Identification and management of severe contrast media reactions
9. CT artefacts.
