

QP Code: 101116

Reg. No.:.....

PG Degree Examinations in Radio diagnosis (MD) - May 2017

**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. Discuss basic principles of M.D.C.T technology and technique of H.R.C.T and its applications in diagnosing pulmonary pathologies.

Short essays: (8x10=80)

2. Radiological anatomy of mediastinum.
3. M.R. spectroscopy and its applications.
4. Probes in ultrasonography.
5. Radiological anatomy of urethra.
6. Basic interactions of X-rays with matter.
7. Image intensifier.
8. Tissue harmonic imaging.
9. Rectifiers in X-ray circuits.
