

**QP Code: 101116**

**Reg. No.:.....**

**PG Degree Examinations in Radio diagnosis (MD) April 2019**

**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 principle, construction and uses of image intensifier.

**Short essays:**

**(8x10=80)**

2. Contrast Induced Nephropathy
3. PCPNDT act.
4. PACS
5. Bremsstrahlung radiation.
6. TLD in radiation protection.
7. Grids
8. Mammography.
9. Compton effect

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