

**QP Code:101187**

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

**P.G. Diploma Supplementary Examinations in Medical Radio  
diagnosis (DMRD) – November 2015**

**Paper I – Basic Sciences as Applied to Radio diagnosis (Basic science, Radiation  
physics, Radiological anatomy, Radiography and contrast media)**

**Time: 3 hrs**

**Max marks:100**

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

**Essay:**

**(20)**

1. Discuss the various factors that control the quality of 'radiographic image'

**Short essays:**

**(8x10=80)**

2. Heal effects and its importance
3. Maximum permissible dose
4. Different gradient sequences used in MRI
5. Acute radiation effects
6. Wrist anatomy and ulnar variance
7. MR coils
8. Principles of image intensifiers
9. High resolution CT

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