

**QP Code:101187**

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

**P.G. Diploma Examinations in Medical Radio diagnosis (DMRD) –  
June 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. Describe the various interactions of X-rays with matter

**Short essays:**

**(8x10=80)**

2. Artifacts in ultrasound
3. MR angiography techniques
4. Recommendations for reducing CT radiation dose
5. Stereoscopy
6. Nephrogenic systemic fibrosis
7. Segmental anatomy of liver
8. Thallium scan
9. Doppler physics

\*\*\*\*\*