

QP Code:101187

Reg.No.:.....

**P.G Diploma Examinations in Medical Radiodiagnosis
(DMRD)- May 2013**

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

Time: 3 hrs

Max marks:100

- *Answer all questions*

Essay: (20)

1. Describe the physical principles of spiral C.T. Discuss the merits and demerits in clinical applications as compared with conventional C.T.

Short essays: (8x10=80)

2. Hazards of radiation in human beings
3. Discuss the various radiographic techniques for patella
4. X-rays and its properties
5. Phased array transducer
6. Non-ionic contrast media
7. Pulse sequence in MR imaging
8. Normal anatomy of mediastinum
9. Grids
