

QP Code:101187

Reg.No.:.....

**P.G. Diploma Supplementary Examinations in Medical Radio
diagnosis (DMRD) - November 2016**

**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 principles of magnetic resonance imaging (MRI). Explain spin-echo sequences and its applications in brain imaging.

Short essays:

(8x10=80)

2. Film artefacts in conventional radiography.
3. Properties of x-rays.
4. M.R.I of breast.
5. Sialography.
6. T.L.D badge.
7. Calibration of x-ray machine.
8. Contents of developer.
9. Image intensifier.
