

QP Code:101187

Reg. No.:.....

**P.G. Diploma Examinations in Medical Radio Diagnosis (DMRD)
April 2019**

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 in detail embryology of gastrointestinal tract.

Short essays:

(8x10=80)

2. Describe in detail production of x-rays and its interaction with matter.

3. Segmental anatomy of liver and its importance.

4. Non-ionic contrast media.

5. CT artifacts.

6. Trans vaginal probe.

7. Harmful effects of radiation.

8. PET.

9. Describe radiography of:

- CXR
- Knee joint
- KUB
- Lumbar spine.
