

QP Code: 101116

Reg. No.:.....

**PG Degree Supplementary Examinations in Radio diagnosis (MD) –
November 2017**

**Paper I – Basic Science, Radiation Physics, Radiological Anatomy and
Contrast Media**

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Discuss the sequences routinely used in M.R.I and its clinical applications.

Short essays:

(8x10=80)

2. Draw a labelled diagram of broncho-pulmonary segments on PA chest and lateral chest radiographs.
3. Describe the types of tracheo-oesophageal fistula and imaging approach in an infant.
4. Discuss the factors influencing radiographic quality. Discuss how to improve the image quality of a radiograph.
5. Management of contrast reactions in radiology.
6. TRUS Anatomy of prostate with diagram, brief note on development of prostate and various imaging modalities to visualise the same.
7. Describe X-ray tube assembly.
8. Radio-isotopes.
9. Schematic representation of the visual pathway and imaging features of various locations along the visual pathway.
