

QP Code: 101116

Reg. No.:.....

**PG Degree Supplementary Examinations in Radio diagnosis (MD)
November 2022**

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

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Classify computed tomography artifacts. How do you recognize and avoid them in daily practice.

Short essays:

(8x10=80)

2. Segmental anatomy of liver and its importance.
3. Enumerate various ultrasound contrast media. Describe their principle and clinical application in evaluation of Hepatic mass lesion.
4. Enumerate, various interactions of X-ray photons with matter. Describe any two in brief.
5. Define and classify radiographic grids. Describe their various uses in radiography.
6. e-Licensing of radiation applications (eLORA) system.
7. Diffusion-weighted MRI.
8. Discuss the principle, components, advantages and limitations of digital radiography.
9. Write in detail radiographic techniques of the following:
 - Temporo-mandibular Joint
 - Scaphoid view
 - Skyline view of patella
 - Towne's view
