

Q.P Code

Reg. No.

PG Degree Regular/Supplementary Examinations in Radio Diagnosis (M.D)

PAPER I – BASIC SCIENCES RELATED TO RADIOLOGY (CONSISTS OF ANATOMY, PATHOLOGY, BASIC AND RADIATION PHYSICS, IMAGING TECHNIQUES AND FILM PROCESSING)

Time : Three Hours

Maximum : 100 Marks

Essay:

(20)

1. Described the physics of Ultrasound. Enumerate the advanced techniques and the physics behind them.

Short Essays

(8 x10 = 80)

2. Image reconstruction Algorithms in CT.
3. What does Inverse square Law state and give its application.
4. MR spectroscopy principles.
5. Annihilation coincidence detection.
6. What are the types of Rectifiers? Describe its function.
7. Automatic Brightness Control.
8. Normal variants in CT Paranasal sinuses.
9. Deterministic and stochastic effects.