

PAPER CODE: 1280

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002**

P.G DIPLOMA EXAMINATIONS: JUNE, 2023

DIPLOMA IN MEDICAL RADIOLOGY DIAGNOSIS (DMRD)

PAPER – I

BASIC SCIENCES RELATED TO RADIOLOGY AND GENERAL PHYSICS

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

4 X 15 = 60

1. What steps would you take to minimize patients dose from- a barium meal, a CT abdominal scan and a pelvic radiography.
2. Artifacts in conventional radiography.
3. Functional magnetic resonance imaging (MRI).
4. 'Spatial resolution' in relation to fluoroscopy, computed tomography (CT) & conventional radiography.

Write a short note on the following:

4 X 10 = 40

5. Skyline view of patella.
6. Isotope renogram.
7. Film badge.
8. Power Doppler.
