

(LQ 1514)

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 3019

**DIPLOMA IN MEDICAL RADIODIAGNOSIS (DMRD)
EXAMINATION**

MEDICAL RADIATION PHYSICS AS APPLIED TO RADIODIAGNOSIS

Q.P. Code: 343019

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about SPECT - gamma camera system.
2. Discuss in detail the principles of various techniques of MR angiography.

II. Write notes on:

(10 x 7 = 70)

1. Basic units of radiation exposure
2. Digital tomosynthesis.
3. TLD badge.
4. Grids.
5. Ultrasound artifacts.
6. Discuss heel effect.
7. PACS.
8. MR coils.
9. 4D computed tomography .
10. Gadolinium deposition disease.
