

[LM 136]

MAY 2018

Sub. Code: 2031

M.D. DEGREE EXAMINATION
BRANCH VIII – RADIO DIAGNOSIS
PAPER I – MEDICAL RADIATION PHYSICS AS APPLIED TO
RADIO DIAGNOSIS

Q.P. Code :202031

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Various imaging techniques in Cathlab.
2. Describe the Physical Principles of MDCT.

II. Write notes on:

(10 x 7 = 70)

1. Describe Hounsfield number.
2. Describe the principle of Magnetic Resonance Angiography.
3. Write notes on Ultrasound transducer.
4. What are the common MRI artifacts?
5. Compare stationary and Rotating Anode.
6. Radiation protection gadgets in Interventional Radiology.
7. Ultrasound artifacts.
8. CR vs DR.
9. Scatter radiation.
10. Image intensifier.
