

[LP 1019]

OCTOBER 2019

Sub. Code: 3602

**P.G. DIPLOMA IN RADIOLOGY & IMAGING TECHNOLOGY EXAMS  
PAPER II – RADIO DIAGNOSTIC EQUIPMENTS – INSTRUMENTATION,  
RADIATION, SAFETY & QUALITY CONTROL**

*Q.P. Code : 363602*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Write in detail about artifacts in CT and measures to reduce them.
2. Computer Radiography Vs Digital radiography. Explain the pros and cons.

**II. Write notes on:**

**(10 x 6 = 60)**

1. MUGA Scan.
2. T1WI vs T2WI – Principle and clinical significance.
3. Image intensifier.
4. MR Spectroscopy.
5. Sequences for MR imaging in stroke patients.
6. Barium enema procedure.
7. Summary of AERB recommendations on radiation dose limits.
8. Orthopantammogram.
9. Patient preparation, procedure and post processing of images in Pulmonary angiogram.
10. Flat panel detector.

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