

**B.Sc. RADIOLOGY IMAGING TECHNOLOGY /  
RADIO DIAGNOSIS TECHNOLOGY**

**FIRST YEAR**

**PAPER III – RADIO DIAGNOSIS EQUIPMENTS,  
MAINTENANCE AND QUALITY CONTROL**

*Q.P. Code: 801803*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the quality assurance test in fluoroscopy equipment.
2. Explain about conventional fluoroscopy. With neat diagram explain the function of image intensifier.
3. With neat diagram explain the rotating anode xray tube.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Spinning top test.
2. Stationary anode xray tube.
3. DSA.
4. MDCT.
5. Indirect flat panel detectors.
6. CR cassette.
7. Direct flat panel detector.
8. Factors affecting image quality in Conventional radiography.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Inherent filtration.
2. Ionisation chamber.
3. Automatic exposure control.
4. Luminescence.
5. DAP meter.
6. CT number.
7. Scintillation detector.
8. Multisection cassette.
9. Heat unit.
10. Filtration in xray imaging.

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