

**D.M.R.D.**  
**[Diploma in Medical Radiology Diagnosis]**

BF/2009/05

**Basic Sciences as related to Radiology**  
**[Paper-I]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Describe congenital anomalies of Spinal canal & Cord. Discuss imaging features. [40]
  
2. **Write short notes on:** [5x12=60]
  - a. Life cycle of Echinococcus.
  - b. Bone age by X-ray of Pelvis.
  - c. C.I.N.
  - d. PHAKOMATOSES.
  - e. Principle of MR angiography.

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**Physics as applied to Medical Radiology**  
**[Paper-II]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. **Describe briefly:**
  - a. Principle and advantages of Radio Isotope scanning. [15]
  - b. Protection of patients from Radiation. [15]
  
2. **Give a brief account of:**
  - a. MDCT [20]
  - b. Time of Flight sequence. [20]
  
3. **Write short notes on:**
  - a. Principle of Doppler Sonography. [15]
  - b. Intensifying screens. [15]

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**Diagnostic Radiology and Recent advances**  
**[Paper-III]**

**M.M. : 100**

**Time : 3 Hours**

**Note : Attempt all questions.**

1. Discuss the role of Doppler in Peripheral Arterial diseases. [35]
  
2. Discuss the imaging in a patient with a Breast lump. [35]
  
3. **Write notes on:**
  - a. Avascular necrosis of Hip. [15]
  
  - b. Magnetic Resonance Cholangiopancreatography[MRCP] [15]

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