

QP Code: 101116

Reg. No.:.....

**PG Degree Supplementary Examinations in Radio diagnosis (MD)  
November 2021**

**Paper I – Basic Science, Radiation Physics, Radiological Anatomy and Contrast  
Media**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Describe in detail about fundamental of x ray production

**Short essays:**

**(8x10=80)**

2. Principle of HRCT
3. Artifacts in Doppler ultrasound
4. Radiology dosimeters
5. Radiological anatomy of biliary tree and common variants
6. Hepatobiliary MR contrast agents
7. Anatomy of dural venous sinuses and cerebral veins
8. Beam restricting devices in conventional x-ray machine
9. Flat panel digital radiography detectors

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