

QP Code:101187

Reg. No.:.....

**P.G. Diploma Supplementary Examinations in Medical Radio
Diagnosis (DMRD) December 2020**

**Paper I – Basic Sciences as Applied to Radio diagnosis (Basic science, Radiation
physics, Radiological anatomy, Radiography 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. Define maximum permissible dose. Discuss in detail the radiation hazards and its protection with reference to personnel working in a diagnostic radiology department.

Short essays:

(8x10=80)

2. Ultrasound transducer
3. Radiography and normal radiological anatomy of nasopharynx.
4. MR artefacts
5. Intensifying screens
6. Ultrasound contrast media
7. MRI coils
8. Nonconventional angiography
9. USG parameters in fetal maturity.
