Atal Bihari Vajpayee Medical University, UP.
Batchelor in Radiodiagnosis & Imaging Technology (BRIT) - First year
Subject: BASIC RADIATION PHYSICS
Paper code 2111110504

Time: 3 hours   **Total marks: 80**

General instructions:
- All questions are compulsory
- Explain with diagrams where required
- The number on the right indicates full marks
- Please write the correct paper code
- Be to the point. No extra copy shall be provided

Q. 1. Write in detail about   (2 x 20 = 40 marks)

    a) Describe interaction of gamma rays with matter

    b) Radioactivity

Q. 2. Write short answer on: (2 x 10 = 20 marks)

    a) Properties of X-ray

    b) Thermo Luminescence Dosimetry (TLD)

Q. 3. Write short notes on: (5 x 4 = 20 marks)

    a) Kinetic Energy

    b) Transformer

    c) Radionuclides

    d) Characteristic X-rays

    e) Anode

Total time allotted 3 hours

22nd April 2022