

Atal Bihari Vajpayee Medical University, UP.
B.Sc. Radiological Imaging Technology (BRIT) - First year
FUNDAMENTALS OF MEDICAL IMAGING & RADIOTHERAPY

Paper -4

Paper code 2111110504

Time: 3 hours

Total marks: 80

General instructions:

- All questions are compulsory
- Explain with diagrams where required
- The number to 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) What is Computerised Tomography (CT)? What are its advantages?
- b) Describe interaction of x-ray with matter.

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

- a) Dark room Door
- b) Stationary grid

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

- a) Grid
- b) Tungsten
- c) Structure of X-ray film
- d) Safe light
- e) Fixer

Total time allotted 3 hours

22nd April 2022