

B.Sc. MEDICAL TECHNOLOGY (RADIOGRAPHY & IMAGING) (BRIT)**SEMESTER -II EXAMINATION, JUNE-2026****(BRIT204) PATIENT MANAGEMENT & CARE -II****[Time allotted: Three Hours]****[Max Marks: 100]****Note:** Read all the instructions carefully

Answer all questions in serial order, Draw suitable diagrams wherever necessary

Q. 1. Objective type questions: (Attempt All)**(10 x 02 = 20)**

(Very short/ Short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- a.is the radiological study of vessels. (CO1)
- b. What is UHID? (CO4)
- c. Computed Tomography invented by: (CO1)
 - i. Godfrey Hounsfield
 - ii. W.C roentgen
 - iii. Alan Cormack
 - iv. M. Leuter
- d. Is iodine contrast safe to drink? (CO1)
- e. Positive contrast media makes the organ or vessel appear _____ on the radiographic image. Radiolucent or radiopaque? (CO6)
- f. What is the most common X-ray test in Radiology? (CO6)
- g. MRIs are made with: (CO6)
 - i. Ultrasonic pulse
 - ii. High energy X-Ray
 - iii. Radiofrequency pulse
 - iv. Gamma pulse
- h. Is MRI a radiograph? (CO1)
- i. What is the speed of radiation? (CO2)
- j. Which shape is used for radiation hazard? (CO2)

Q. 2. Short notes/ Short answer type questions (Attempt any Five)**(05 x 04 = 20)**

- a. What is Ten day rule? (CO3)
- b. What is PPE for radiation? (CO4)
- c. What is the use of IV contrast media? (CO1)
- d. What are the advantages of barium sulphate? (CO1)
- e. What equipment's are used in general x-ray investigations? (CO1)
- f. What Are the Uses of X-Rays? (CO6)
- g. Why is iodine used as contrast?

Q. 3. Structured questions (Attempt any Three)**(03 x 10 = 30)**

- a. What is MLC form? (CO6)
- b. What is the MRI contrast media & their role? (CO2)
- c. What is CR and DR in radiography? (CO2)
- d. What are radiation hazards and protection? (CO7)

Q. 4. Long Answer/ Essay type questions (Attempt any Two)**(02 x 15 = 30)**

- a. What are the precautions taken for handling the pediatric patient? (CO7)
- b. How to deal with infectious patient in diagnostic Radiology (CO4)
- c. What are the steps for imaging in ward mobile radiography? (CO1)