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## BRAINWARE UNIVERSITY

Library  
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Term End Examination 2025-2026

Programme – B.Physiotherapy-2021/B.Physiotherapy-2022/B.Physiotherapy-2023

Course Name – Introduction to Diagnostic Radiology

Course Code - BPTS503

( Semester V )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :
  - (i) Choose the appropriate imaging modality for assessing soft tissue structures like the brain and spinal cord.
    - a) X-ray
    - b) MRI
    - c) Fluoroscopy
    - d) PET scan
  - (ii) Select the standard radiographic view for evaluating the lung pathology.
    - a) Anteroposterior (AP) view
    - b) Lateral view
    - c) Oblique view
    - d) Posteroanterior (PA) view
  - (iii) State the primary purpose of the "ulnar deviation view" in wrist radiography.
    - a) Assessing carpal bone alignment
    - b) Evaluating the scaphoid bone
    - c) Visualizing the ulna in profile
    - d) Detecting soft tissue injuries
  - (iv) Illustrate the primary purpose of hand radiography.
    - a) To assess dental health
    - b) To diagnose heart conditions
    - c) To evaluate bone and joint conditions
    - d) To study the digestive system
  - (v) Recognize the primary imaging modality used for lower limb radiography.
    - a) MRI
    - b) CT scan
    - c) Ultrasound
    - d) X-ray
  - (vi) Select the component of an ultrasound machine that produces sound waves.
    - a) Transducer
    - b) Monitor
    - c) CPU
    - d) Printer
  - (vii) Select the reason for applying gel to the skin during an ultrasound exam.
    - a) To reduce friction between the transducer and the skin
    - b) To provide anesthesia
    - c) To sterilize the skin
    - d) To improve image quality
  - (viii) List the type of transducer most frequently used in medical ultrasound imaging.
    - a) Magnetic transducer
    - b) Piezoelectric transducer
    - c) Capacitive transducer
    - d) Inductive transducer

