

# Master of Medical Radiology and Imaging Technology (M.MRIT)

## Entrance Examination Syllabus:

- **Radiological Physics:** Basics of atomic structure, electromagnetism, principles of X-rays, image production, radiation interactions with matter and X-ray tubes.
- **Radiation Safety & Protection:** Radiobiology, radiation hazards, regulatory guidelines, quality control (QC), quality assurance (QA), and dose measurement.
- **Human Anatomy, Physiology & pathology:** Detailed knowledge of body systems (skeletal, circulatory, respiratory, GIT) and sectional anatomy related to CT and MRI scans.
- **Radiographic Techniques & Positioning:** Imaging techniques, contrast procedures, patient preparation, and positioning techniques for different modalities.
- **Imaging Modalities:** Basics of Conventional radiology, Ultrasonography, Doppler, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), and Mammography.
- **General Topics:** Basic electronics, patient care in radiology, and basic biostatistics.