

**The West Bengal University of Health Sciences**  
**M.D. (Radio-Diagnosis) May - June, 2022 Examination**

Paper: I

Full Marks: 100

Time: 3 Hours

*Attempt all questions*

1. Discuss in brief about Radiological Anatomy of prostate with its radiological implications. 5+5
2. Write a short notes on : 5+5
  - a) Radiographic differences between PA and AP view of chest radiograph
  - b) TLD batch
3. Discuss the CT anatomy of the temporal bone with a schematic diagram . 10
4. Describe the anatomy of Breast with a diagram. Discuss the basic physics with instrumentation of a mammography unit. What are the different mammographic projections ? 4+4+2
5. What are the different types of contrast media? Describe the role of contrast in MRI. 6+4
6. Discuss about the metabolic disorders of bone and role of imaging to arrive at the diagnosis . 5+5
7. What are the causes of increased bone density ? Briefly describe the radiological features of pyknodysostosis. 4+6
8. Define Scatter Radiation. Discuss briefly the parameter which influence scatter radiation and method to reduce scatter radiation. 2+4+4
9. Describe the embryology and development of pancreas. Describe the imaging features of any one important congenital anomaly of pancreas. 7+3
10. Describe anatomical variations of circle of wills with the help of a diagram. Enumerate the sites of intracranial aneurysm. 7+3