

**The West Bengal University of Health Sciences**  
**M.D. (Radio-Diagnosis) March-April, 2020 Examination**

Paper: IV

Full Marks: 100  
Time: 3 Hours

*Attempt all questions*

1. Discuss the principle and application of dual energy C.T. 10
2. Role of interventional radiology in obstructive jaundice. 10
3. What is sono-elastography ? Describe the role of sono-elastography in breast and liver diseases. 2+4+4
4. Write short note on: 5+5
  - a) DTI
  - b) Tissue harmonic imaging
5. Discuss the principle and clinical application of PET-CT 3+7
6. Describe the MR Finding of Brain in children with history of Hypoxic-ischemic – Encephalopathy at birth. 10
7. Role of interventional radiology in massive Haemoptysis and sub arachnoid haemorrhage. 5+5
8. Write short note on: 5+5
  - a) MR perfusion
  - b) Fusion imaging
9. Role of interventional radiology in intra arterial management of various neoplasms including paragangliomas. 10
10. Write short note on : 5+5
  - a) ALARA Principle
  - b) PACS