

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

Paper: IV

Full Marks: 100
Time: 3 Hours*Attempt all questions*

1. Discuss the principle of diffusion weighted imaging and its utility in differentiation of brain lesions. 3+7
2. What are the various reconstruction techniques used for evaluation of CT scan images ? Enumerate few specific uses of each reconstruction mode. 5+5
3. Discuss the role of imaging and interventional radiology in stroke. 10
4. Discuss the Cervical lymph node stations and their imaging. 5+5
5. Write short notes on : 5+5
 - a) Vertebroplasty
 - b) Transjugular Intrahepatic Portosystemic Shunt (TIPS)
6. What are the indication of embolisation in genitourinary tract ? Describe the technique of renal artery angioplasty and stenting. 5+5
7. Discuss the various interventional procedures in spinal arteriovenous malformation. 10
8. Discuss techniques, indications and applications of MR enteroclysis. 10
9. Write in brief about problem of storage requirements in PACS. Describe its solutions. 5+5
10. What is digital radiography ? Discuss its advantages and disadvantages. 3+7