PART B

6. Draw a neat line diagram of perinephric space including its relationship with other spaces. Write CT features of perinephric abscess and urinoma. 4+(3+3)

7. Discuss the role of plain X-ray, CT and MRI in cases of lower cervical spinal trauma. 3+4+3

8. Discuss the role of scintigraphy in cardiac imaging with special emphasis on myocardial perfusion and viability. 10

9. Discuss the recent advances in MDCT. What are the various dose reduction techniques in MDCT? Mention average radiation dose received for common examinations using MDCT. 4+4+2

10. Discuss briefly the pathophysiology of pulmonary embolism. Give in detail the imaging modalities for diagnosis of this entity and their relative merits & demerits. 4+(4+1+1)