



Date: 04-04-2019

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART A

10 x 2 = 20 Marks

1. Comment on mean lethal dose.
2. What is fluoroscopy?
3. Differentiate screening mammography from diagnostic mammography.
4. Write any four properties of x rays.
5. Comment on nuclear stress test.
6. How will you prepare the patient for angiography technique?
7. What is radiotracer?
8. List the advantages of EEG.
9. Comment on MUGA scan.
10. Write the use of Doppler ultrasonography.

Answer any FOUR of the following

PART B

4 x 10 = 40 Marks

11. Describe the patient preparation, normal and abnormal waveforms of electrocardiography.
12. Discuss the patient preparation and procedure of electromyography and nerve conduction studies.
13. Explain the purpose and procedure of computed tomography.
14. Give an account on the procedure and applications of ultrasonography.
15. Explain the principle and procedure of positron emission tomography.
16. Describe the visual and brain stem auditory evoked potential studies.

Answer any TWO of the following

PART C

2 x 20 = 40 Marks

17. Draw and explain the block diagram of x ray.
18. Describe the patient preparation, procedure, advantages and disadvantages of MRI.
19. Draw the block diagram and explain the patient preparation and procedure of electroencephalography.
20. Describe the principle, patient preparation, procedure, advantages and disadvantages of mammography.
