

124-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2013

RADIO DIAGNOSIS

Paper-I – Basic Sciences

Time : 3 Hours

Max. Marks : 100

Note : Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Describe the anatomy of Gastro-oesophageal junction and imaging of hiatus hernia.
2. What is characteristic curve? Explain its importance in radiography image formation.
3. What health effects do ionizing radiations cause? Describe the principles and methods of radiation protection.
4. Classify and elaborate the different types of contrast used in Magnetic Resonance Imaging. (MRI)
5. What are the indications of lower limb angiography and how would you perform the procedure?
6. Discuss the differential diagnosis and radiological features of Seronegative Spondyloarthropathies.
7. Describe the anatomic location and drainage of thoracic lymph nodes and describe in brief the patterns of lymph node involvement in various pulmonary and extra-pulmonary diseases.
8. List the different types of X ray tubes used in radiography machine and explain their operations with neat diagram.
9. Explain the indications and procedure of Micturating Cystourethrogram.
10. Discuss the patho-physiology of various kinds of pulmonary collapse and their imaging evaluation

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