

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - Apr/May 2019

Time : 3 Hrs

Max Marks : 100

M.D RADIO-DIAGNOSIS

Paper-I

QP Code: P3171

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. Write the radiographic technique of the following a) Base of the skull b) water's view c) skyline view
2. Write in brief the principle and types of Digital radiography. Outline its advantages and disadvantages.
3. Single photon emission computed tomography (SPECT).
4. Discuss the principle of proton density weighted image and gradient echo imaging.
5. Describe the imaging techniques and diagnostic criteria of Rotator cuff tears.
6. Classify bone tumors. Discuss the radiological features of Ewing sarcoma.
7. What are the different causes of soft tissue calcification and write a note on imaging features of soft tissue haemangioma.
8. What are the causes of generalised increased bone density in adult and write imaging features of fluorosis.
9. Describe the imaging features of hemophilia.
10. Describe anatomy and embryogenesis of kidney in brief and write a note on imaging features of duplex collecting system.

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M.D RADIO-DIAGNOSIS
Paper-II QP Code: P3172

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LONG ESSAY

10 X 10 = 100

1. Describe the imaging features of pleural masses.
2. Define emphysema. Enumerate the types and HRCT features of various types.
3. Describe the imaging features of Wegener's granulomatosis.
4. Imaging features of pulmonary langerhans cell histiocytosis and lymphangiomyomatosis
5. Discuss the imaging findings in lung carcinoid.
6. Describe the clinical features, sonographic and CT appearances in acute Appendicitis.
7. USG and CT Imaging in gastrointestinal stromal tumors.
8. Discuss the GIT manifestations in HIV.
9. Mention Interventional modalities of liver tumors and add a note on transarterial chemoembolization.
10. Discuss the revised Atlanta classification of pancreatitis. Describe the imaging findings in chronic pancreatitis.

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M.D RADIO-DIAGNOSIS

Paper-III QP Code: P3173

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LONG ESSAY

10 X 10 = 100

1. What is the etiology of mitral stenosis? Describe the plain radiographic features in mitral stenosis.
2. What are the indications of coronary CT angiography? Describe the techniques of performing coronary CT angiography. What do you understand by calcium score and mention its clinical relevance?
3. What are the causes of aortic aneurysm? Discuss the role of X-ray and CT in evaluating aortic aneurysms?
4. What is vesico-ureteric reflux? Discuss its causes and grading. Briefly describe role of imaging in this condition.
5. Discuss about imaging in non-tubercular renal infections.
6. Role of imaging in a young male presenting with acute scrotal pain.
7. Discuss indications and procedure of hysterosalpingography.
8. Describe in detail TIFFA scan.
9. Write Ultrasound and CT features of ovarian dermoid.
10. What are the causes of pulmonary venous hypertension? Describe plain X-ray findings in pulmonary venous hypertension.

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M.D RADIO-DIAGNOSIS

Paper-IV QP Code: P3174

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LONG ESSAY

10 X 10 = 100

1. Describe briefly the normal venous drainage of brain. Mention the imaging findings of cerebral venous sinus thrombosis
2. Enumerate the causes of ring enhancing CNS lesions and describe the imaging features of neurocysticercosis.
3. Describe the grading, imaging features and differential diagnosis of glioblastoma.
4. Enumerate the causes of low back ache and discuss the radiological features in a case of degenerative disease of lumbar spine.
5. Patient presented to you with bilateral proptosis. Discuss the differential diagnoses and describe the radiological features in thyroid ophthalmopathy.
6. Describe role of radiology in epistaxis.
7. Imaging features of Lefort fractures.
8. Discuss the MRI findings in evaluation of breast masses. Write a note on role of diffusion weighted imaging in evaluation of breast masses.
9. MR enterography and MR enteroclysis
10. Describe the principle and applications of digital mammography.