

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

**(A Deemed to be University)**

**Post Graduate Examination January 2025**

**Time: 180 Minutes**

**Max Marks: 100 Marks**

**Radio-Diagnosis Paper I**

**QP CODE: P3171**

*Your answer should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

**10X10=100**

1. Write in brief the principle and types of Digital radiography. Outline its advantages and disadvantages.
2. Classify intravenous iodinated contrast media. What are the advantages of newer generation of contrast media?
3. What are types of ultrasound contrast media and discuss its role in diagnosis of vesicoureteric reflux.
4. Discuss the hepatobiliary specific MR contrast agents. What is their role in differentiating focal liver lesions?
5. Describe the imaging techniques and diagnostic criteria of Rotator cuff tears.
6. Enumerate the different causes of neuroarthropathies and describe their radiological features.
7. Describe the imaging features of benign osteogenic bone tumours
8. Describe the Role of radiographs in diagnosis of diaphyseal achalasia and Ollier's disease.
9. Discuss the imaging features of sickle cell anaemia.
10. Describe Dural venous sinuses with help of a neat labelled diagram and explain imaging features of Dural venous sinuses thrombosis.

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**Radio-Diagnosis Paper II**  
**QP CODE: P3172**

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1. Classify pleural tumours. Briefly discuss chest radiographic and CT findings of malignant mesothelioma.
2. Imaging features of pulmonary Langerhans cell histiocytosis and lymphangiomyomatosis
3. Describe the imaging and differential diagnosis of anterior mediastinal masses.
4. Describe the radiological manifestations of coal workers pneumoconiosis.
5. Enumerate the causes and imaging findings in intussusception.
6. Enumerate large intestinal neoplasms and how do you evaluate them.
7. Discuss the causes of Cushing syndrome and add a note on adrenal neoplasms.
8. Describe the imaging findings in hepatic adenoma.
9. Classify pancreatic tumors. Discuss imaging findings in cystic pancreatic neoplasms.
10. Write the causes of portal hypertension. Describe the procedure of TIPSS.

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**Radio-Diagnosis Paper III**  
**QP CODE: P3173**

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**10X10=100**

1. Describe the role of CT and MRI in myocardial ischemia.
2. Describe the causes of thoracic aortic aneurysm. What is the role of plain radiograph and CT in its diagnosis.
3. Describe the imaging features of Takayasu arteritis.
4. Describe indications, procedure and contraindications of retrograde urethrogram.
5. Discuss various conditions causing acute scrotum and ultrasound features of the same.
6. Discuss the role of radiology in diagnosis of varicocele.
7. Discuss the imaging findings in male infertility.
8. Describe in detail the MRI features and staging of carcinoma of cervix.
9. Describe the radiological features of ectopic and molar pregnancies.
10. Describe techniques of transfemoral arteriogram and its indications. Describe briefly the complications encountered during an angiogram.

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**Radio-Diagnosis Paper IV**  
**QP CODE: P3174**

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**10X10=100**

1. Describe the imaging manifestations of CNS tuberculosis.
2. Enumerate various intrasellar pituitary lesions and describe briefly about imaging features in pituitary macroadenoma.
3. Discuss the imaging features of acute hypertensive encephalopathy.
4. Describe the CT & MRI features in a case of corpus callosal agenesis.
5. Write about imaging of pseudo tumour of orbit and its differential diagnosis.
6. Describe the CT & MRI imaging features of neurofibroma.
7. Discuss the imaging findings of thoracolumbar spine injury.
8. Classify BIRADS and describe imaging features of breast cancer on mammography
9. Recent trends in minimal invasive image guided therapies for hepatic malignancies
10. Explain the CO-RADS scoring and CT severity index in Covid-19 infection.