

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)**

Post Graduate Examination October/November 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. Enumerate the factors affecting the radiographic quality. How will you improve the radiographic quality?
2. Write about differentiating features between Computed Radiography and Digital Radiography.
3. Describe the anatomy of pituitary gland and explain imaging features of Rathke's cleft cyst.
4. Discuss the principles of spiral CT. Add a note on CT artefacts.
5. Draw a diagram of image intensifier and write in detail about its construction.
6. Discuss Vitamin D metabolism and describe the radiological features of rickets and osteomalacia.
7. Describe Imaging features and classification of osteosarcoma.
8. Discuss imaging features in degenerative osteoarthritis.
9. What are the MR sequences performed in a patient presenting with meniscal injury? Classify meniscal tears and discuss the imaging findings.
10. Classify mucopolysaccharidosis and write imaging features of skeletal manifestations of Morquio's syndrome.

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Radio Diagnosis Paper II

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1. Discuss the role of plain X ray abdomen in evaluation of non-traumatic acute-abdominal pain.
2. Describe the radiological approach to inflammatory bowel disease.
3. Describe in brief the role of imaging in G.I. tract lymphomas.
4. Describe the etiopathogenesis and imaging features of pulmonary alveolar proteinosis.
5. How do you investigate a case of pulmonary thromboembolism?
6. What are the causes of a cavitating lung lesion and discuss their radiological features.
7. Enumerate various diseases caused by inhalation of inorganic dust. Briefly describe chest radiographic and CT findings of two most common such diseases.
8. Describe the imaging findings in acute pancreatitis. Add a note on pseudocyst of pancreas.
9. What are the common causes leading to obstructive jaundice? Discuss the imaging approach in evaluation of obstructive jaundice.
10. Role of elastography in hepatic imaging.

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Radio Diagnosis Paper III

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1. Classify congenital heart diseases. Discuss the imaging features of ASD and PAPVR.
2. Causes and radiological features of left atrial enlargement.
3. What is pulmonary hypertension? Describe the aetiology and plain radiographic features of same.
4. Enumerate the indications of MDCT coronary angiography and describe the technique.
5. Describe the anatomy of renal vessels and role of Radiologist in management of a suspected case of renal arterial hypertension.
6. Classify congenital anomalies of the kidney. Explain the radiological and imaging features of ectopic kidney and horse shoe kidney.
7. Imaging features of Benign prostatic hypertrophy.
8. Write Ultrasound and CT features of ovarian dermoid.
9. Describe the sonological features helpful in detecting molar pregnancy.
10. Classify ovarian tumours. Discuss the imaging features in benign and malignant ovarian tumours.

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Radio Diagnosis Paper IV

QP CODE: P3174

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10X10=100

1. Describe the causes of non-traumatic subarachnoid haemorrhage and discuss the imaging features in anterior communicating artery rupture?
2. Classify BIRADS and describe imaging features of breast cancer on mammography
3. Discuss about intraoperative ultrasound.
4. Describe various stages of cerebral abscess and its CT & MRI features.
5. Name supratentorial tumours occurring in adults. And describe in detail imaging findings of glioblastoma.
6. Discuss the MRI features in Arnold Chiari malformations.
7. Discuss the current radiological approach in the management of stroke.
8. Enumerate the causes of unilateral proptosis in children. Discuss the imaging features of retinoblastoma.
9. Discuss the differential diagnosis of cystic mandibular lesions and describe the imaging features of ameloblastoma.
10. Enumerate intramedullary spinal tumors and add a note on spinal astrocytoma.