

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - June/July 2020

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. Enumerate the factors affecting the radiographic quality. How will you improve the radiographic quality?
2. Computed Radiography Vs Digital Radiography.
3. Discuss about colour Doppler and USG contrast agents in vascular imaging.
4. Discuss regarding MR contrast media and various complications.
5. Discuss etiology and imaging appearances in avascular necrosis of femoral head in adult.
6. Write imaging features of (a) Enchondroma (b) osteochondroma.
7. Classify soft tissue tumours and write in detail regarding any two of them.
8. Discuss imaging features of Paget's disease of bone.
9. Describe the imaging features of thalassemia.
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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Paper- II QP Code: P3172

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LONG ESSAY

10 X 10 = 100

1. Role of imaging in diagnosis of chest wall lesions with respect to x-ray, ultrasound and CT findings.
2. Discuss HRCT lung findings in a patient presenting with AIDS.
3. Enumerate occupational lung diseases. Describe plain radiographic and CT findings in asbestosis.
4. Describe the etiopathogenesis and imaging features of cystic mediastinal tumours
5. Discuss imaging features of pulmonary thromboembolism
6. Discuss the role of imaging in a case of blunt abdominal trauma.
7. Role of imaging & radiological features in carcinoma of small intestine.
8. A 70 year old man presented with lower GI bleed. Mention various causes of lower GI bleed and briefly describe role of imaging
9. Various biliary drainage procedures done in biliary tract obstruction.
10. Write various splenic lesions and a note on imaging findings in splenic infarct.

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Paper- III QP Code: P3173

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LONG ESSAY

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1. Describe plain radiographic findings in Rheumatic heart disease in Mitral Stenosis & Aortic stenosis.
2. Define and enumerate causes of restrictive cardiac diseases. Discuss the role of various imaging modalities in two such diseases.
3. Discuss the etiology of pericardial effusion and its imaging findings.
4. Enumerate the immediate, early and delayed complications of renal transplantation and role of imaging in their evaluation.
5. Describe the imaging features in of genitourinary tuberculosis.
6. Describe indications, techniques and radiological features in micturating cystourethrogram.
7. Discuss the causes and imaging findings in female infertility.
8. Describe the types of intrauterine growth retardation. How do you assess IUGR by ultrasound.
9. Describe the role of ultrasound and MRI in carcinoma cervix.
10. Describe the instrumentation and principles of Radiofrequency ablation. Discuss the indications, patient selection, procedure and complications of RFA.

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M.D RADIO-DIAGNOSIS

Paper- IV QP Code: P3174

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LONG ESSAY

10 X 10 = 100

1. Enumerate various types of intra-axial hemorrhage and discuss their imaging features.
2. Role of imaging in a suspected case of normal pressure hydrocephalus.
3. Write differential diagnosis for posterior fossa cystic lesions. Discuss in detail imaging features of haemangioblastoma.
4. Define phakomatoses. What are the various disorders of the group? Describe the CNS findings in tuberous sclerosis.
5. Describe the technique of temporal bone imaging. Discuss the imaging features in a case of chronic suppurative otitis media and its complications.
6. Describe the imaging features in juvenile nasopharyngeal angiofibroma.
7. Discuss the differential diagnosis of cystic mandibular lesions and describe the imaging features of ameloblastoma.
8. Describe in detail about digital breast tomosynthesis.
9. Discuss the role of MRI in imaging of the myocardium.
10. Discuss the contrast agents used in diagnostic ultrasound.