

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - May 2018

Time : 3 Hrs

Max Marks : 100

M.D RADIO-DIAGNOSIS

Paper - I

Paper Code : RS-3501

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. Describe various measures to reduce radiation exposure to patients as well as personnel performing fluoroscopically guided vascular interventional procedures in DSA Lab.
2. Describe in detail regarding the principle and applications of digital radiography.
3. Define Doppler effect. Briefly describe color doppler and power doppler modes of imaging. Enumerate advantages of each mode.
4. MR angiography.
5. Describe the role of ultrasound in suspected rotator cuff injury with help of a neat labelled diagram depicting anatomy of rotator cuff.
6. Describe the imaging findings osteoclastoma (GCT).
7. What are various kinds of periosteal reactions? Describe imaging features in case of osteomyelitis involving long bones.
8. Describe imaging features and causes of acromegaly.
9. Discuss salient imaging features of osteogenesis imperfecta.
10. Imaging anatomy of the knee joint.

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Paper - II

Paper Code : RS-3502

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LONG ESSAY

10 X 10 = 100

1. Describe the etiopathogenesis and imaging features of Diaphragmatic hernia
2. Describe the various radiological features in COPD
3. Describe the radiological manifestations of coal workers pneumoconiosis.
4. A 34 year old man presents with acute trauma to chest. Enumerate the CT features of thoracic trauma.
5. Describe the imaging and differential diagnosis of anterior mediastinal masses.
6. Discuss the role of radiology and imaging in a case of blunt abdominal trauma.
7. USG and CT findings in gastric adenocarcinoma.
8. Mention the pre-malignant conditions of GIT. Describe imaging features of large bowel malignancies
9. Etiopathogenesis and imaging findings in pyogenic liver abscess.
10. Describe the etiopathogenesis and imaging findings in acute pancreatitis.

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Paper - III

Paper Code : RS-3503

*Your answers should be specific to the questions asked.
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LONG ESSAY

10 X 10 = 100

1. Enumerate the radiographic features of enlarged right atrium and enlarged left atrium. Briefly describe lung field changes in case of mitral stenosis
2. Classify cardiomyopathies and describe the radiographic imaging findings
3. enumerate the causes of aortic dissection and discuss its imaging features.
4. A 38 year old RTA victim is brought to you from the casualty with history of frank hematuria. How would you evaluate this patient?. Discuss the possibilities with their key radiological findings.
5. Classify cystic diseases of the kidney. Describe the radiological and imaging features in congenital cystic lesions of the kidney.
6. Describe venous drainage of testis. Discuss imaging features in varicocele.
7. Discuss indications, procedure and contraindications of hystersalpingography
8. Imaging of intra-uterine fetal death
9. Enumerate various ovarian tumors of stromal origin. Briefly discuss imaging features of serous and mucinous cystadenocarcinoma and cystadenoma.
10. Discuss colour duplex ultrasound evaluation of atherosclerotic stenotic lesions of carotid arteries.

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Paper - IV

Paper Code : RS-3504

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LONG ESSAY

10 X 10 = 100

1. Anatomy of circle of willis and imaging features of aneurysms of this region.
2. Discuss the differential diagnosis of inherited white matter diseases and write the imaging features in a case of adrenoleukodystrophy.
3. Write the imaging features of primary CNS lymphoma.
4. Discuss imaging features in neurofibromatosis type I
5. Discuss various skull base lesions and radiological features of posterior cranial fossa tumors.
6. Give the differential diagnosis of epistaxis in a young patient and write in detail the imaging features in juvenile nasopharyngeal angiofibroma.
7. Discuss the role of TIRADS in thyroid imaging.
8. Role of imaging in a case of ductal carcinoma.
9. Describe the technique of elastography and its applications in obstetrics and gynecology.
10. Discuss about procedure involved in digital subtraction angiography.