

2406121301010501
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (RADIO DIAGNOSIS)
PAPER - I - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **DOCTOR OF MEDICINE**
 - b. Name of the Subject : **DOCTOR OF MEDICINE (RADIO DIAGNOSIS) PAPER - I - LEVEL 1**
 - c. Subject Code No : **2406121301010501**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write to the point with clarity and both sides of paper
6. Handwriting should be legible

Seat No:

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Student's Signature

- Q.1** Describe the radiographic contrast. What are the different factors affecting the film contrast? **20**
- Q.2** A. Draw and label Anatomy of retroperitoneal spaces. **30**
B. M.R. venography - Protocol, sequences and limitations
- Q.3** Short Notes - (8 marks each) **40**
1. Distal loopogram in ARM
 2. Lymphography
 3. Radiographic grid
 4. Personnel radiation monitoring
 5. Doppler Artefacts
- Q.4** Short answer questions (2 marks each) **10**
1. What is Samrakshan Program in radiology?
 2. MLC record in Radiology
 3. Characteristic Curve
 4. Salivary Gland imaging
 5. Ultrasound contrast media

*****END*****

2406121301010502
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (RADIO DIAGNOSIS)
PAPER - II - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : DOCTOR OF MEDICINE
 - b. Name of the Subject : DOCTOR OF MEDICINE (RADIO DIAGNOSIS) PAPER - II - LEVEL 1
 - c. Subject Code No : 2406121301010502
2. Drew labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write to the point with clarity and both sides of paper
6. Handwriting should be legible

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Student's Signature

- Q.1** Classify the lung tumours. Discuss about role of radio- imaging in malignant lung masses. **20**
- Q.2** Long answer questions **30**
- A. Describe the imaging features of various cardiomyopathies.
B. Role imaging in total knee replacement surgeries.
- Q.3** Short answer questions- 8marks each **40**
1. Imaging findings in tuberous sclerosis.
2. Advantages of dual energy CT scanner.
3. Radio-imaging findings in pulmonary embolism.
4. PIRADS 2.1
5. Discuss various types of benign bony cortical lesions and write X-ray findings in any one.

Q.4 Short answer questions- 2 marks each

10

1. Findings of ruptured ACOM aneurysm on CT scan of Brain
2. Causes of opaque hemithorax
3. Imaging & Structures forming rotator cuff.
4. Imaging findings of acromegaly
5. Presacral lesions in paediatric age group.

*****END*****

2406121301010503
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (RADIO DIAGNOSIS)
PAPER - III - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **DOCTOR OF MEDICINE**
 - b. Name of the Subject : **DOCTOR OF MEDICINE (RADIO DIAGNOSIS) PAPER - III - LEVEL 1**
 - c. Subject Code No : **2406121301010503**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write to the point with clarity and both sides of paper
6. Handwriting should be legible

Seat No:

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Student's Signature

Q.1 Discuss the causes of malena. Write about the role of Radio imaging. **20**

Q.2 Two long questions (15 marks each) **30**

1. Discuss briefly the imaging of liver transplant complications and its management.
2. Describe the imaging approach to pregnancy of unknown location.

Q.3 Short Notes- (8 marks each) **40**

1. Discuss the imaging findings of various types of abdominal tuberculosis.
2. Enumerate the causes of varicocele and discuss varicocele grading's on colour Doppler USG.
3. Explain the ultrasound evaluation of fetal growth restriction
4. Antenatal ultrasound and Foetal MRI in Chiari malformations.
5. What are the differential diagnoses for bilateral adrenal masses in an adult? Write in brief about ovarian hyper stimulation syndrome.

Q.4 Short answer questions- (2 marks each)

10

1. Discuss Imaging of MASLD
2. Varicocele grading's on colour Doppler USG.
3. Role of Interventional radiology in varicose vein.
4. Pelvic congestion syndrome
5. USG-ORADS criteria

*****END*****

2406121301010504
EXAMINATION JANUARY 2025
DOCTOR OF MEDICINE
DOCTOR OF MEDICINE (RADIO DIAGNOSIS)
PAPER - IV - LEVEL 1

[Time: As Per Schedule]

[Max. Marks: 100]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **DOCTOR OF MEDICINE**
 - b. Name of the Subject : **DOCTOR OF MEDICINE (RADIO DIAGNOSIS) PAPER - IV - LEVEL 1**
 - c. Subject Code No : **2406121301010504**
2. Draw labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Write to the point with clarity and both sides of paper
6. Handwriting should be legible

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Student's Signature

Q.1 Principle of various fat suppression techniques in MRI and their clinical uses. **20**

Q.2 Two Long questions (15 marks each) **30**

1. Methods of dose reduction for paediatric CT scan in radiology.
2. Discuss Role of Pre operative imaging evaluation of patient for Cochlear Implant Surgery

Q.3 Short Notes- (8 marks each) **40**

1. Discuss Multiparametric imaging of prostate.
2. Radiofrequency Ablation - indication, protocol and method in osteoid osteoma.
3. Discuss role of elastography in chronic liver disease.
4. Role of Interventional radiology in musculoskeletal indications.
5. Discuss BOLD imaging and its applications

Q.4 Short answer questions- (2 marks each)

10

1. Emerging Artificial intelligence in Radiodiagnosis
2. Ultrasound findings of Hydatid cyst in lung
3. Name any four Radio isotops with name of organ /pathology where it is used
4. Mention MRI staging of anorectal carcinoma.
5. CT perfusion and its role in stroke imaging.

*****END*****