

P0410



RAN - 2406121301010501



RAN-2406121301010501

M. D. (Radio Diagnosis) Examination September - 2025

Paper - I (Set - 3)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Radio Diagnosis)

Name of the Subject :

Paper - I (Set - 3)

Subject Code No.: 2406121301010501

Seat No.:

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Student's Signature

- Q. 1.** Explain the Principles & Physics behind the working of a MRI Scanner (20)
- Q. 2. A.** Difference between advantages & disadvantages of CR& DR System (15)
- B.** Discuss about ALARA Maximum permissible dose & AERB Guidelines and eLORA. (15)
- Q. 3.** 1. POCSO ACT (08 Marks each)
2. MRCP
3. Triphasic CT Scan
4. Various Fetal medicine calculators
5. Line focus principle
- Q. 4.** 1. Tube rating (02 Marks each)
2. MRI Quenching
3. Point of Care Ultrasound
4. Techniques/ views on Echocardiography
5. Hysterosalpingography



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M. D. (Radio Diagnosis) Examination September - 2025

Paper - II (Set - 1)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

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Name of the Examination:

M. D. (Radio Diagnosis)

Name of the Subject :

Paper - II (Set - 1)

Subject Code No.: 2406121301010502

Seat No.:

Student's Signature

- Q. 1. Discuss stroke protocol at your hospital with role of radiologist. (20)
- Q. 2. A. Discuss various patterns on HRCT along with their interpretation. (15)
B. Describe imaging characteristics & staging of breast carcinoma. (15)
- Q. 3. 1. Draw figure showing ocular anatomy. (08 Marks each)
Discuss role & imaging in ocular pathology.
2. Causes of opaque hemithorax with role of chest radiograph & other imaging modalities in its management.
3. Imaging finding in spinal tuberculosis
4. Imaging in Erosive arthritis.
5. Imaging in Pulmonary embolism.
- Q. 4. 1. Exostosis (02 Marks each)
2. Periosteal reactions
3. CPAM
4. Enumerate cystic lesions on neck ultrasonography
5. Schizencephaly



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M. D. (Radio Diagnosis) Examination September - 2025



Paper - III (Set - 2)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

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Fill up strictly the details of  signs on your answer book

Name of the Examination:

M. D. (Radio Diagnosis)

Name of the Subject :

Paper - III (Set - 2)

Subject Code No.: **2406121301010503**

Seat No.:

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Student's Signature

- Q. 1.** Role of Imaging in hematuria. (20)
- Q. 2. A.** Role of Imaging in evaluation and management of hepatocellular carcinoma (HCC) (15)
- B.** Imaging features of primary hyperparathyroidism. (15)
- Q. 3.** 1. Uterine artery embolization. (08 Marks each)
2. TACE
3. RFA / microwave ablation
4. Role of imaging in abdominal tuberculosis.
5. Role of radiologist in diagnosis and management of pancreatitis.
- Q. 4.** 1. Sonographic features of molar pregnancy. (02 Marks each)
2. Role of imaging in ear discharge
3. Percentile
4. Cerebral ventriculomegaly
5. Virtual bronchoscopy

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M. D. (Radio Diagnosis) Examination September - 2025

Paper - IV (Set - 1)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Radio Diagnosis)

Name of the Subject :

Paper - IV (Set - 1)

Subject Code No.: 2406121301010504

Seat No.:

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Student's Signature

- Q. 1. Describe interventional management of peripheral artery disease. (20)
- Q. 2. A. Role of MRI in evaluation of Brachial plexus pathologies. (15)
B. Discuss causes of unilateral Proptosis and the role of interventional radiologist in management of CCF. (15)
- Q. 3. 1. Role of imaging in osteogenic sarcoma. (08 Marks each)
2. Role of imaging in acute scrotum.
3. Techniques and findings in renal Doppler.
4. Imaging findings of internal carotid artery stenosis.
5. Imaging in infrahyoid neck spaces.
- Q. 4. 1. Hyperechoic liver lesions. (02 Marks each)
2. MRI spectroscopy.
3. AV fistula imaging.
4. Recent guidelines for prostate biopsy
5. MRI bone sequences