

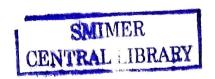


RAN-2406121301010501

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

Paper - I (Set - 3)

Time	e: 3	Hours]	[Total Marks: 100	
સૂચના	ı:/]	Instructions		
(1)		દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. up strictly the details of 🖝 signs on your answer book	Seat No.:	
	Nan	ne of the Examination:		
		M. D. (Radio Diagnosis)		
	Nam	ne of the Subject :		
		Paper - I (Set - 3)		
	Subj	ect Code No.: 2406121301010501	Student's Signature	
Q. 1.		Explain the Principles & Physics behind the working	ng of a MRI Scanner (20)	
Q. 2.	Α.	Difference between advantages & disadvantages of	CR& DR System (15)	
~	В.	Discuss about ALARA Maximum permissible dose	• • • • • • • • • • • • • • • • • • • •	
	υ,	and eLORA.	(15)	
Q. 3.	1.	POCSO ACT	(08 Marks each)	
	2.	MRCP		
	3.	Triphisic 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.	Hysterosalphingography		





RAN-2406121301010502

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

Paper - II (Set - 1)

Time	: 3 H	ours]	[Total Marks: 100	
સૂચના	: / Ir	astructions		
(1)	Name Name Name	ર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. p strictly the details of ☞ signs on your answer book e of the Examination: I. D. (Radio Diagnosis) e of the Subject: Paper - II (Set - 1) ct Code No.: 2406121301010502	Seat No.: Student's Signature	
Q. 1.		Discuss stroke protocol at your hospital with role of	of radiologist. (20)	
Q. 2.	A. B.	Discuss various patterns on HRCT along with their Describe imaging characteristics & staging of brea	. ,	
Q. 3.		Draw figure showing ocular anatomy. Discuss role & imaging in ocular pathology. Causes of opaque hemithorax with role of chest racimaging modalities in its management. Imaging finding in spinal tuberculosis Imaging in Erosive arthritis. Imaging in Pulmonary embolism.	(08 Marks each)	
Q. 4	 1. 2. 3. 4. 	Exostosis Periosteal reactions CPAM Enumerate cystic lesions on neck ultrasonography	(02 Marks each)	

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RAN-2406121301010503

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

Paper - III (Set - 2)

Time:	3 H	ours]	Total Marks: 100
		structions	Oct No.
F N S	ill up lame M lame P	ાવિલ ► નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. o strictly the details of ► signs on your answer book of the Examination: . D. (Radio Diagnosis) of the Subject: aper - III (Set - 2) et Code No.: 2406121301010503 Role of Imaging in hematuria.	Student's Signature (20)
Q. 2.	A.	Role of Imaging in evaluation and management of carcinoma (HCC)	hepatocellular (15)
	В.	Imaging features of primary hyperparathyroidism.	(15)
Q. 3. Q. 4.	1. 2. 3. 4. 5.	Uterine artery embolization. TACE RFA / microwave ablation Role of imaging in abdominal tuberculosis. Role of radiologist in diagnosis and management of the state of the	(08 Marks each) of pancreatitis. (02 Marks each)
Ψ	2. 3. 4. 5.	Role of imaging in ear discharge Percentile Cerebral ventriculomegaly Virtual bronchoscopy	





RAN-2406121301010504

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

Paper - IV (Set - 1)

Time:	[Total Marks: 100		
સૂચના	: / I1	nstructions	
1	Fill u Name	દર્શાવેલ િનશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. up strictly the details of signs on your answer book ne of the Examination: M. D. (Radio Diagnosis) ne of the Subject : Paper - IV (Set - 1) ect Code No.: 2406121301010504	Seat No.: Student's Signature
Q. 1.		Describe interventional management of peripheral art	tery disease. (20)
Q. 2.	A.	Role of MRI in evaluation of Brachial plexus patholo	gies. (15)
	B.	Discuss causes of unilateral Proptosis and the role of radiologist in management of CCF.	interventional (15)
Q. 3. Q. 4.	1. 2. 3. 4. 5. 1. 2. 3. 4. 5.	Role of imaging in osteogenic sarcoma. Role of imaging in acute scrotum. Techniques and findings in renal Doppler. Imaging findings of internal carotid artery stenosis. Imaging in infrahyoid neck spaces. Hyperechoic liver lesions. MRI spectroscopy. AV fistula imaging. Recent guidelines for prostate biopsy MRI bone sequences	(08 Marks each)
Q. 4.	 5. 1. 2. 3. 4. 	Imaging in infrahyoid neck spaces. Hyperechoic liver lesions. MRI spectroscopy. AV fistula imaging. Recent guidelines for prostate biopsy	(02 Marks each