



RAN-3800

M D Examination

July - 2020

Radiodiagnosis : Paper - I

[Total Marks: 100

सूचना : / Instructions

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

MD

Name of the Subject :

Radiodiagnosis : Paper - I

Subject Code No.: 3 8 0 0

Seat No.:

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Student's Signature

1. All questions are compulsory.
2. The number on right indicates full marks.
3. Draw diagram wherever necessary.

1. Enumerate the different types of X-ray tubes. Describe the construction of an X-ray tube with the help of a labelled diagram. What are the differences between a conventional X-ray tube and a mammography tube? 20
2. Describe the anatomy of Gastro-oesophageal junction & imaging of hiatus hernia. 20
3. Radiation Protection in Children. 10
4. Contrast Induced Nephropathy. 10
5. Personal Radiation Dosimeters. 10
6. Duties of radiologist in implementation of PC- PNDT ACT. 10
7. Artefacts in Ultrasound Imaging. 10
8. Principle and types of Digital radiography. Outline its advantages and disadvantages. 10



RAN-2006210101020001

RAN-2006210101020001

DMRD Examination

August - 2020

Radiodiagnosis-Paper II

[Total Marks: 100

सूचना : / Instructions

नीचे दृश्यावल निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

DMRD

Name of the Subject :

Radiodiagnosis-Paper II

Subject Code No.: 2006210101020001

Seat No.:

Student's Signature

- Q 1.** Define intestinal obstruction and enumerate its causes in infants. (25)
Discuss various imaging approaches and their usefulness in management of intestinal obstruction.
- Q 2.** Describe pulmonary manifestations in connective tissue diseases. (25)
Discuss HRCT imaging features in various connective tissue diseases.
- Q3.** Discuss hemolytic anemias. What are different imaging findings in hemolytic anemias? (25)
- Q 4.** Write short notes with imaging features on:
- (a) Idiopathic pulmonary fibrosis (9)
- (b) Contrast induced nephropathy (8)
- (c) ACR-TIRADS (8)



RAN-3802

M.D. Examination

July - 2020

Radiodiagnosis : Paper - III

Time: 3 Hours]

[Total Marks: 100

सूचना : / Instructions

नीचे दृष्टविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
M.D.

Name of the Subject :
Radiodiagnosis : Paper - III

Subject Code No.: 3 8 0 2

Seat No.:

Student's Signature

- (1) All questions are compulsory.
- (2) The number on right indicates marks for the respective question.
- (3) Draw diagrams wherever necessary.

1. Role of ultrasound and colour Doppler in management of primary infertility. 20
2. Mention causes of Bleeding per rectum. Describe role of radio-imaging in management of large bowel pathology. 20
3. Describe the anatomy of hepatic segments with the help of diagram. Discuss protocol of triphasic Liver scan. Mention LIRADs and its importance. 20
4. Role of Ultrasound and CT Scan in evaluation of renal Trauma. 10
5. Ultrasound and colour Doppler findings in ectopic pregnancy. 10
6. Radiological findings in metabolic bone disease. 10
7. Diagnostic and therapeutic role of Transrectal Ultrasonography. 10



RAN-3803

M.D. Examination

July - 2020

Radiodiagnosis : Paper - IV

[Total Marks: 100

सूचना : / Instructions

नीचे दृष्टाविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:
M.D.

Name of the Subject :
Radiodiagnosis : Paper - IV

Subject Code No.: 3 8 0 3

Seat No.:

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Student's Signature

- (1) All questions are compulsory.
- (2) The number on right indicates marks for the respective question.
- (3) Draw diagrams wherever necessary.

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| 1. | Define strain and shear wave elastography. Discuss its role in breast, prostatic and musculoskeletal lesions Imaging. | 20 |
| 2. | Enumerate various vascular intervention procedures. Discuss role of I.R. in uterine bleeding. | 20 |
| 3. | MR-PET | 10 |
| 4. | Diffusion Tensor imaging. | 10 |
| 5. | Magnetic Resonance Safety | 10 |
| 6. | Imaging of Articular cartilage in degenerative arthritis of Knee | 10 |
| 7. | Cone Beam CT | 10 |
| 8. | Technique and clinical applications of Intravascular ultrasound | 10 |