

Oct-2025

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MD RADIOLOGY - PAPER - I

QP CODE: 5061

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Draw a well labeled diagram of x ray tube .Briefly describe the components of a rotating anode.
How mammography x ray tube is different from conventional X-ray tube? (5+10+5)
2. Describe the embryology of Pancreas. Briefly describe the blood supply of pancreas and enumerate the congenital anomalies of Pancreas. (5+5+10)

Short Essay

(6x10=60 Marks)

3. Describe with well labeled diagram the Calcium metabolism?
4. Discuss in detail the various USG artifacts and methods to reduce them.
5. What is a GRE sequence? mention its role in neuron imaging
6. Describe the Development of Diaphragm and enumerate the congenital anomalies associated with it.
7. What are various Generations of CT scanners with their respective advantages?
8. Describe the Radiological anatomy of Kidney with a well labeled diagram.

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[Time: 3 Hours]

[Max. Marks: 100]

MD RADIOLOGY – PAPER - II

QP CODE: 5062

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. HRCT of lung technique, Classification of interstitial lung disease, HRCT finding of disease involving upper lobe.
2. Focal liver lesion, discuss differential diagnosis and radiological pattern in each disease

Short Essay

(6x10=60 Marks)

3. Posterior mediastinum imaging
4. Imaging technique in appendicitis
5. Achalasia cardia
6. CT –enteroclysis, technique, and clinical indication
7. MR defecography
8. ARDS – Imaging.

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[Max. Marks: 100]

MD RADIOLOGY - PAPER - III

QP CODE: 5063

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Pulmonary thromboembolism imaging.
2. Ankylosing spondylitis.

Short Essay

(6x10=60 Marks)

3. Anatomy of pulmonary venous drainage.
4. Skeletal changes in leukemia.
5. Color Doppler in DVT.
6. Skeletal features of thalassemia.
7. Imaging of meniscus injury of knee.
8. Sequences used in cardiac MRI

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[Time: 3 Hours]

[Max. Marks: 100]

MD RADIOLOGY – PAPER - IV

QP CODE: 5064

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay

(2x20=40 Marks)

1. Classify neural tube closure defects. Describe various chairi malformation & their imaging features.
2. Enumerate various CP angle lesions. Write imaging features of acoustic schwannoma.

Short Essay

(6x10=60 Marks)

3. Technique of orbital phlebography.
4. Imaging & intervention in intracranial AVM.
5. Cerebral abscess.
6. Imaging in brain hemorrhage.
7. Role of imaging in cystic lesions of mandible.
8. Sweyer-james syndrome.