

**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. Enumerate the different types of X-ray tubes. What is the difference between a conventional X-ray tube and a mammography tube? Briefly describe mammography tube with the help of a neat labeled diagram.
2. Describe the embryogenesis of human urinary system using labeled diagram. Briefly discuss the basis of any 3 congenital defects of kidney.

**Short Essay**

**(6x10=60 Marks)**

3. Describe CSF pathways.
4. Describe normal Anatomy of Knee as seen on MRI.
5. Describe major components of a PACS system and their functions in brief.
6. Calcaneus axial projection
7. Radiological anatomy of carotid artery and branches.
8. What is radiation protection? Discuss ALARA technique.

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**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. Enumerate the causes of mechanical small bowel obstruction in an adult. Describe the differentiating features of small and large bowel obstruction on plain radiography. Briefly discuss the role of CT in mechanical small bowel obstruction.
2. Describe etio-pathogenesis, common causes, plain film and CT features of lymphangitis carcinomatosa.

**Short Essay**

**(6x10=60 Marks)**

3. Evaluation and DD of Hilar Mass.
4. Describe imaging in a 5 years old child presenting with lump in Right iliac fossa region
5. Sonographic findings in abdominal tuberculosis
6. Pheochromocytoma.
7. MRCP in obstructive jaundice.
8. Ground glass opacity HRCT- Significance and DD.

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**MD RADIOLOGY – PAPER – III**

**QP CODE: 5063**

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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. Describe various fetal Doppler parameters used to assess fetus at risk of IUGR. Discuss recent advances as regards their significance in predicting fetus at risk.
2. Enumerate different varieties of osteogenic sarcoma. Describe Imaging features of various surface osteogenic sarcomas.

**Short Essay**

**(6x10=60 Marks)**

3. Describe PC-PNDT Act
4. Endometriosis.
5. Ozone therapy for backache
6. Emphysematous pyelonephritis.
7. Doppler evaluation in male impotence.
8. Radiological approach in acyanotic heart disease.

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**MD RADIOLOGY – PAPER – IV**

**QP CODE: 5064**

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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 Spinal dysraphism and discuss their imaging features.
2. Discuss the role of CT in evaluation of patients with acute head injury, staging the types of injury, possible complications and their long term sequelae.

**Short Essay**

**(6x10=60 Marks)**

3. Enumerate the infrahyoid neck spaces. describe Imaging features of carotid body tumour
4. Neuro-sonography.
5. Digital mammography.
6. Interventional management of Vein of Galen malformation.
7. USG in retinal & choroidal detachment
8. Functional imaging of Brain.