

**BLDE 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.

**LONG ESSAY**

**(2x20=40 Marks)**

1. Describe the basic principles and clinical applications of MDCT. How does it differ from conventional 1st generation CT? (6+6+8)
2. Briefly discuss the development of midgut. Enumerate role of imageology in evaluating Midgut malrotation & volvulus. 4+16

**SHORT ESSAY**

**(6x10=60 Marks)**

3. Write short notes on
  - a) MR spectroscopy.
  - b) PACS in Radiology.
4. Write short notes on
  - a) Slip ring technology.
  - b) Maximum permissible dose.
5. Imaging of temporal bone.
6. Discuss first trimester screening for chromosomal abnormalities.
7. Embolization in management of Acute hemorrhage.
8. Describe surgical segmental anatomy of Liver. Discuss ultrasound features of focal malignant lesions of liver.

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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. Discuss the present day role of imaging in the investigation of an adult patient with hematemesis.
2. Describe the role of CT in acute abdomen

**Short essay**

**(6x10=60 marks)**

3. Imaging in Pulmonary thrombo embolism
4. Pulmonary manifestations in AIDS
5. Radiological and imaging features of hyperparathyroidism
6. Collagen vascular disorders – HRCT findings
7. Hypertrophic cardiomyopathy
8. Portal Hypertension.

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**POST GRADUATE DEGREE EXAMINATION**

[Time : 3 Hours]

[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.

**LONG ESSAY**

**(2x20=40 Marks)**

1. Enumerate various investigative modalities for the transplanted kidney and give the normal findings in each of them. Briefly discuss the features of complications.
2. Enumerate the causes of Varicocoele. Write ultrasound technique. Mention sonographic and color Doppler features in Varicocoele.

**SHORT ESSAY**

**(6x10=60 Marks)**

3. Enumerate differential diagnosis of expanding lesion in metaphysis of long bones.
4. Discuss Osseous spectrum in neurofibromatosis.
5. Write short notes on imaging of cerebral ischaemic infarct.
6. Describe the CT and MRI features of Neurocysticercosis of brain. How would you differentiate from other granulomatous lesions.
7. Write in detail sonographic features in evaluation of placenta.
8. Enumerate causes of unilateral proptosis. Describe imaging findings of optic glioma and caroticocavernous fistula.

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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.

**LONG ESSAY**

**(2x20=40 Marks)**

1. Enumerate the causes of obstructive jaundice. Describe technique of MRCP and its role in obstructive jaundice.
2. Classify aortic dissection. Describe the role of radiologist in diagnosis and management of aortic dissection

**SHORT ESSAY**

**(6x10=60 Marks)**

3. Discuss in brief diffusion tensor imaging.
4. Describe the role of MDCT in staging of carcinoma of lung.
5. Enumerate various complications of renal transplant and discuss their imaging findings.
6. Discuss briefly imaging in acute stroke.
7. What is pancreatic divisum? Briefly discuss various imaging modalities to evaluate it.
8. Discuss in brief various advances in ultrasound technology.