

May 2018

**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. Describe the radiological anatomy of Craniovertebral junction with various lines and angles.
2. Describe in detail factors affecting radiographic quality.

**Short Essay**

**(6x10=60 Marks)**

3. Describe the anatomy and importance of liver segments
4. Describe the principles and applications of ultrasound contrast media
5. Discuss about Xray beam filters.
6. Describe the embryology of pancreas and radiological features of common congenital pancreatic anomalies.
7. Describe the embryology of kidney with diagram.
8. Describe the principles of image intensifier.

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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. Describe the technical principles of HRCT. Describe the radiological differential diagnosis of tree in bud opacities.
2. Describe the imaging approach to obstructive jaundice. Describe the role of interventions in Obstructive jaundice.

**Short Essay**

**(6x10=60 Marks)**

3. Describe imaging in hydatid disease.
4. Describe the imaging features of pericardial effusion.
5. Describe the principles of MRI angiography.
6. Describe the imaging features of common malignant breast masses.
7. Describe the HRCT differential diagnosis of mosaic attenuation in lung.
8. Describe the radiological approach to cystic lesion in pancreas.

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**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. Enumerate complications of Renal Transplant surgery. Described the imaging approach in diagnosing.
2. Describe MRI features of traumatic lesions of meniscus and ligaments of knee joint.

**Short Essay**

**(6x10=60 Marks)**

3. Doppler in IUGR.
4. Placenta previa.
5. Meningioma.
6. Describe the role and advantages of neurosonography.
7. Describe briefly about imaging of retinoblastoma.
8. Bare orbit.

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[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. Describe MR imaging of white matter diseases.
2. Describe the principle and application of Diffusion imaging.

**Short Essay**

**(6x10=60 Marks)**

3. Describe principle and applications of shear wave elastography.
4. Discuss principle and applications of chemical shift MRI.
5. Discuss aortic aneurysm imaging.
6. Discuss MR contrast agents.
7. Describe the principles and applications of Time of Flight MR angiography.
8. Describe the principle and applications of dual energy CT.