

June-2017

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 radiological anatomy of sellaturcica and imaging features of suprasellar masses.
2. Write briefly basic construction of x-ray tube and its recent advances.

SHORT ESSAY

(6x10=60 Marks)

3. Write short note on MD CT technology.
4. Describe the anatomy of gastro-oesophageal junction and imaging of hiatus hernia.
5. Briefly discuss anatomy and lesions of parapharyngeal spaces.
6. Explain anatomy of the circle of Willis with Diagram. Enumerate the causes of subarachnoid haemorrhage.
7. Mention briefly the various Ultrasound Transducers that are available and their role in day to day practice.
8. Discuss briefly the principle of MR spectroscopy. Enumerate its significance in any three clinical settings.

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MD RADIOLOGY – PAPER -II

QP CODE : 5062

Your answer should be specific to the questions asked.

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LONG ESSAY

(2X20=40 Marks)

1. Describe segmental anatomy of lung. Discuss various types of lung emphysema & their radiological findings in detail. (4+4+12)
2. What are the causes of neonatal Jaundice? Describe in detail various imaging modalities which help in evaluating it. (6+14)

SHORT ESSAY

(6x10=60 Marks)

3. Discuss the classification & imaging features of dissection of Aorta.
4. Discuss radiological features in cystic tumours of pancreas.
5. Discuss causes & imaging features of constrictive pericarditis.
6. Write short notes on MRI in malignant breast lesions.
7. Write short notes on imaging features in hyperparathyroidism
8. Two year old child presenting with red current jelly stools with episodic abdominal pain. As a radiologist how will you help in diagnosing and treating the cause?

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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.

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LONG ESSAY

(2x20=40 Marks)

1. Describe the imaging features of juvenile nasopharyngeal angiofibroma. Discuss the role of radiological intervention in its management.
2. Discuss the pathology of renal hypertension and radiological investigations for the same.

SHORT ESSAY

(6x10=60 Marks)

3. Enumerate various ovarian tumors of stromal origin. Briefly discuss imaging features of serous and mucinous cystadenocarcinoma and cystadenoma.
4. Discuss differential diagnosis of multiple lytic lesions on a skull X-ray of a child.
5. Write short notes on extraconal orbital lesions.
6. Write short notes on vein of Galen malformation.
7. Enumerate the causes of ring enhancing lesions of brain parenchyma in MRI. Discuss the role DWI and MR spectroscopy in differentiation of various lesions.
8. Imaging of Intra uterine foetal death.

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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.

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LONG ESSAY

(2x20=40 Marks)

1. Discuss role of radiology in diagnosing and treating portal hypertension.
2. Discuss the role of MDCT in evaluating normal and abnormal coronary arteries.

SHORT ESSAY

(6x10=60 Marks)

3. Discuss briefly MDCT & Scintigraphic evaluation of pulmonary embolism.
4. Give a critical appraisal on role of small bowel enema, CT and MRI enteroclysis.
5. Enumerate causes of unilateral small kidney. Describe the role of radiologist in its management.
6. Discuss the role of computed tomography in cerebrovascular accidents.
7. Write short notes on vein of Galen malformation.
8. Enumerate the indications of scintigraphic evaluation in GI bleed. Briefly discuss technique, radioisotopes used and interpretation of results.