

**RADIO DIAGNOSIS****PAPER-II**

TIME: 3 HOURS

RDG/D/20/40/II

MAX. MARKS: 100

IMPORTANT INSTRUCTIONS

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**RADIO DIAGNOSIS****PAPER-II****PART - A**

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Write short notes on:**PART A**

1. a) Enumerate causes of inferior rib notching. 2+(2+2+2)+2
b) Describe X-ray, CT and MRI findings in Coarctation of aorta.
c) Briefly discuss role of interventional radiology in its management.
2. a) Radiological patterns of pneumonias on chest computed tomography in immunocompromised patients. 5+5
b) Imaging features of fungal infections.

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Write short notes on:

PART B

3. Enumerate the causes of hemoptysis in adult patient. Briefly discuss indications, techniques and complications of radiological interventions in them. 2+2+4+2
4. a) Arterial and venous anatomy of lower limb with help of diagram. 5+5
b) Imaging features of deep venous thrombosis.

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PART C**IMPORTANT INSTRUCTIONS**

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Write short notes on:

PART C

5. Define acute aortic syndrome. Classify aortic dissection. Describe its imaging features on CT angiography and its management. 1+2+(4+3)
6. Role of nuclear imaging, cardiac MRI and MDCT in evaluation of ischemic heart disease patient. 2+4+4

**RADIO DIAGNOSIS****PAPER-II****PART - D**

TIME: 3 HOURS

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MAX. MARKS: 100

IMPORTANT INSTRUCTIONS

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Write short notes on:

PART D

7. Enumerate causes of neonatal respiratory distress. Describe in detail pathophysiology and imaging findings in hyaline membrane disease. 2+(2+6)
8. Draw a schematic diagram describing anatomy of diaphragm and imaging features of diaphragmatic injury on chest X-ray, ultrasound, CT and MRI. 2+2+2+2+2

**RADIO DIAGNOSIS****PAPER-II****PART - E**

TIME: 3 HOURS

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MAX. MARKS: 100

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Write short notes on:**PART E**

9. Describe anatomy of mediastinum with the help of diagram. 5+5
Discuss imaging features of anterior mediastinum masses.
10. Define pulmonary edema and describe its pathophysiology. 2+2+(2+4)
Enumerate causes and imaging features in pulmonary edema.