IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part ‘A’ and Part ‘B’, each part containing 5 questions.
- Answers to questions of Part ‘A’ and Part ‘B’ are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.
- Answer sheet(s) of Part ‘A’ and Part ‘B’ are not to be tagged together.
- Part ‘A’ and Part ‘B’ should be mentioned only on the covering page of the respective answer sheet(s).
- 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.

PART A

Write short notes on:

1. a) Causes of mediastinal lymphadenopathy.  
   b) Role of imaging in their differentiation.  

2. An adult male presents with recurrent chest infections and a cavitating lung lesion in left lower zone in a chest radiograph. Discuss the differential diagnosis and imaging features in two most likely causes.

3. Causes of pleural masses and their imaging features.

4. a) Anatomic location and patterns of diaphragmatic rupture.  
   b) Role of imagine in its evaluation.

5. a) Enumerate various heart diseases with cyanosis and increased pulmonary circulation.  
   b) Imaging features in any two such diseases.

P.T.O.
Please read carefully the important instructions mentioned on Page ‘1’

- Answers to questions of Part ‘A’ and Part ‘B’ are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.

PART B

6. a) Role of different imaging modalities in evaluation of a case of limb ischemia. 8+2
   b) Role of interventional procedures in these patients.

7. a) Enumerate causes of thoracic aortic aneurysm. 2+(4+4)
   b) Role of CT angiography in diagnosis and management of aortic dissection.

8. Aetiopathogenesis, clinical forms, complications and radiological features of silicosis. 2+2+2+4

9. a) Define Pulmonary Hypertension. 2+(2+6)
   b) Enumerate its causes and describe the imaging findings.

10. a) Venous anatomy of lower limb with the help of a diagram. 3+(3+4)
    b) Technique of Colour Doppler imaging of lower limb veins and imaging features of deep vein thrombosis.