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

1. Define and enumerate causes of restrictive cardiac diseases. Discuss the role of various imaging modalities along with imaging features in two such diseases. (1+2)+(3+4)  

2. Enumerate causes of cystic mediastinal lesions. Describe imaging features in any 2 conditions. 2+(4+4)  

3. A 50 year old male patient presents in emergency with acute chest pain. Discuss the likely causes and approach to diagnose such patients. Discuss the role of CT angiography in these patients. 5+5  

4. a) Doppler assessment of AV fistula for hemodialysis access. 5+5  
   b) Role of MDCT in cyanotic heart disease.  

5. a) Castleman's disease. 5+5  
   b) Role of Dual energy CT in pulmonary embolism.