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. Give a brief account of the formation of the atrial septum. How does it explain the secundum type of atrial septal defect?  
6+4

2. What clinical and radiological features are common in congenital heart diseases with a right to left shunt?  
7+3

3. What are the clinical features of peripartum cardiomyopathy? How does it differ from ischaemic cardiomyopathy?  
6+4

4. Define bronchiectasis and emphysema. How do their clinical features differ in the later stages of their manifestation?  
(2+2)+6

5. How do environment and genetics interact in the pathogenesis of COPD?  
10