



Abhinav Bindra Sports Medicine and Research Institute
MPT 1st Internal Examination February 2026

1st Year

Date: 05.02.2026

Subject: Specialty Paper-1 (Physiotherapeutic Perspective In Cardio Pulmonary Disorders)

Time: 09:00 AM-12:00 PM

F.M.: 80 marks

Question Code- F6

Subject Code- 23MPT1C1

Long Questions- Answer Any 4 (4 X 15Marks)

1. Describe the pressures associated with respiration (intrapleural, alveolar, transpulmonary) and explain their clinical significance
2. Explain the pathology and pathophysiology of pleural effusion, including causes, types, and effects on lung mechanics.
3. Explain acute coronary syndrome (ACS) with reference to pathology, pathophysiology, and clinical features.
4. Explain congenital heart diseases with left-to-right shunt, describing pathophysiology and hemodynamic changes.
5. Describe the cardiac cycle and cardiac output. Explain the factors affecting cardiac output in disease conditions.

Short Questions- Answer Any 5 (5 X 4Marks)

1. Describe Tetralogy of Fallot, explaining the pathological defects and resulting pathophysiological changes.
2. Discuss rheumatic heart disease with reference to pathology, pathogenesis.
3. Describe the pathophysiology of ischemic heart disease, including risk factors
4. Write a note on lung compliance
5. Explain angina pectoris.
6. Pathophysiology of ventricular septal defect (VSD).