



S. No	Question Type	Question	Year	Blooms Taxonomy
1	Essay – 15 Marks	Define flail chest. Explain the pathophysiology of paradoxical respiration, clinical features, immediate management principles, and role of chest physiotherapy in pain relief, breathing retraining and prevention of pulmonary complications.	Jan 2022	Analyze
2	Essay – 15 Marks	Classify pneumothorax. Discuss the pathophysiology, clinical presentation and emergency management of tension pneumothorax. Explain the role of early chest physiotherapy and precautions after intercostal drain insertion.	Jun 2022	Analyze
3	Essay – 15 Marks	Compare haemothorax vs haemopneumothorax in terms of etiology, clinical signs, radiological findings and physiological effects on ventilation-perfusion matching. Formulate a structured chest physiotherapy protocol from ICU to ward.	Nov 2023	Analyze
4	Essay – 15 Marks	Describe the mechanism of injury and clinical presentation of multiple rib fractures with lung contusion. Explain the principles of pain management, indications of positive pressure ventilation and evidence-based chest physiotherapy techniques to prevent atelectasis and pneumonia.	Aug 2024	Apply

5	Essay – 15 Marks	Explain the pathophysiology of flail chest with underlying pulmonary contusion. Discuss indications and types of ventilatory support, weaning criteria and phased chest physiotherapy rehabilitation program till community reintegration.	Feb 2020	Analyze
6	Essay – 15 Marks	Define traumatic pneumothorax and haemothorax. Discuss the indications, insertion technique and care of intercostal drainage tube. Explain precautions and progressive chest physiotherapy techniques after ICD removal.	Aug 2010	Analyze
7	Essay – 15 Marks	Discuss the biomechanical consequences of flail chest on respiratory mechanics. Explain indications, advantages of surgical rib fixation and post-operative chest physiotherapy protocol including early mobilization and secretion clearance.	Apr 2023	Analyze
8	Essay – 15 Marks	Describe lung contusion and its progression. Explain the role of conservative vs mechanical ventilation and structured chest physiotherapy to improve oxygenation and prevent ARDS in blunt chest trauma.	Oct 2016	Analyze
9	Essay – 15 Marks	Explain pathophysiology of massive haemothorax and its effect on cardiac output. Discuss emergency management, indications of thoracotomy and post-operative chest physiotherapy protocol with ICD in situ.	Apr 2014	Analyze
10	Essay – 15 Marks	Define flail chest and pulmonary contusion. Compare non-operative vs operative management and formulate a 3-phase chest physiotherapy rehabilitation program from ICU to community discharge.	Feb 2020	Analyze

11	Short Notes	Paradoxical respiration in flail chest	Aug 2009	Understand
12	Short Notes	Indications of intercostal drainage tube	Jun 2022	Understand
13	Short Notes	Pulmonary contusion – pathophysiology and radiological findings	Nov 2023	Understand
14	Short Notes	Tension pneumothorax – clinical signs	Jan 2022	Remember
15	Short Notes	Pain management in multiple rib fractures	Apr 2023	Understand
16	Short Notes	Types and clinical features of pneumothorax	Oct 2022	Remember
17	Short Notes	Role of incentive spirometry in chest trauma	Aug 2024	Understand
18	Short Notes	Complications of untreated flail chest	Nov 2023	Analyze
19	Short Notes	Beck’s triad in massive haemothorax	Feb 2025	Remember
20	Short Notes	Precautions of chest physiotherapy in haemopneumothorax	Aug 2024	Apply
21	Short Answers	Most common cause of flail chest	Sep 2021	Remember
22	Short Answers	Classic radiological sign of pulmonary contusion	Jan 2022	Remember

23	Short Answers	Definition of massive haemothorax	Jun 2022	Understand
24	Short Answers	Minimum number of ribs fractured to cause flail segment	Apr 2023	Remember
25	Short Answers	One clinical sign of tension pneumothorax	Nov 2023	Remember
26	Short Answers	Ideal position of ICD bottle	Aug 2009	Remember
27	Short Answers	First-line investigation in suspected haemopneumothorax	Jan 2022	Apply
28	Short Answers	One contraindication of forceful breathing exercises in rib fractures	Feb 2010	Understand
29	Short Answers	Common site of tracheal or bronchial rupture in blunt trauma	Aug 2024	Remember
30	Short Answers	One indication for surgical rib fixation (ORIF)	Nov 2023	Understand