

Respiratory system – SGD- Y3S1

1. 65 year old female develops a chronic cough. Chest X-ray reveals a cavity in the apex of the lung.
 - 1.1 Name three causes for the radiological finding.(15marks)
 - 1.2 Name 3 investigations you would perform to arrive at a diagnosis. (15marks)
 - 1.3 Outline the pathogenesis of all three conditions mentioned in 1.1. (70marks)

2. A 25 year old previously healthy man developed a productive cough, fever, pleuritic type chest pain in the left side of the chest. He had crepitations and bronchial breathing in the left lower lung zone. A chest X-ray revealed an area of consolidation in the left lower lung zone. A diagnosis of lobar pneumonia was made.
 - 2.1 Name three common causative organisms.(15marks)
 - 2.2 Analyze his symptoms, signs and radiological findings giving pathological basis for each.(50 marks)
 - 2.3 State two complications of lobar pneumonia and outline their pathogenesis. (35marks)