



507-A

**M.B.B.S. DEGREE EXAMINATION – JANUARY, 2013**  
**SECOND M.B.B.S. EXAMINATION**  
**PATHOLOGY**  
**(GENERAL PATHOLOGY & HAEMATOLOGY)**  
**PAPER-I**

**Time : 2 Hours**  
**Marks: 40**

**Max.**

**Answer all questions**

1. An young and stout male met with an accident. He sustained multiple injuries, fractures of femur and tibia. These fractures are stabilized at Surgery soon after admission. He is in a stable condition. However 2 days after admission he suddenly becomes dyspneic and developed tachypnea and tachycardia, irritability, restlessness and it progressed to delirium, coma and death on 7<sup>th</sup> day.
- What is the provisional diagnosis?
  - Discuss the pathogenesis of the lesion
  - Describe microscopic picture of the Lungs in the above condition.
  - How "Frozen sections" of the lung tissue help in final diagnosis at autopsy and mention various stains specific for it?

**1+4+2+3 = 10**

**WRITE SHORT NOTES ON:**

**5x4=20**

- Protein derived mediators of acute inflammation.
- Down Syndrome
- Pathogenesis of Amyloidosis
- Physical carcinogenesis
- Blood and Bone marrow findings in Aplastic anemia.

**WRITE BRIEFLY ON:**

**5x2=10**

- Mention 4 sequelae of Ghon's complex
  - Name 4 main components of Extra cellular Matrix (ECM)
  - Name 4 morphologic changes (cytoplasmic & Nuclear) in necrotic cell.
  - Name 4 Blood components separated from whole blood and mention one clinical use for each.
  - Mention 4 morphologic characteristics of a Myeloblast.
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