

# APPLIED PATHOLOGY

## ESSAY(10 MARKS):

1. Define atherosclerosis. Discuss the risk factors, pathogenesis and morphology of Atherosclerosis  
Definition  
Risk factor  
Pathogenesis  
Morphology of Atherosclerosis  
Diagram
2. Define chronic obstructive pulmonary disease. Discuss the types, causes and pathology of Emphysema  
Definition  
Types  
Cause  
Pathogenesis
3. Discuss aneurysms. Discuss the classification, pathology and complications of aneurysms.  
Definition  
Classification  
Pathogenesis  
Complications
4. Classify anaemias. Discuss the laboratory diagnosis of anaemias.  
Definition  
Classification  
Lab diagnosis of anaemia
5. Define and classify chronic obstructive pulmonary diseases. Discuss the complications of each Type.  
Definition  
Classification  
Pathogenesis

Diagram

Complications

6. Define and classify leukemia. What are the differences between leukemia and leukemoid Reactions.  
Definition  
Classification  
Difference
7. Discuss the pathophysiology of heart failure  
Definition  
Classification  
Pathophysiology  
Etiology  
Complications
8. Discuss the pathology of important congenital heart diseases.  
Definition  
Classification  
Pathogenesis  
Etiology  
Complications
9. What are bleeding disorders. Mention four common bleeding disorders. Discuss the lab Diagnosis of anyone bleeding disorder.  
Definition  
Types  
Lab diagnosis
10. What is myocardial infarction. Discuss briefly the pathophysiology. Mention four Complications.  
Definition  
Pathogenesis  
Etiology  
Complications

**Short Notes (5 marks):**

1. Causes and pathogenesis of chronic renal failure.
2. Pathology of myocardial infarction
3. Types of Pneumoconiosis
4. Laboratory diagnosis of bleeding disorders
5. Obstructive uropathy.
6. Agranulocytosis.
7. Differences between obstructive and restrictive pulmonary diseases.
8. Pericardial effusion.
9. Risk factors for atherosclerosis
10. End stage renal disease and the role of dialysis in it.
11. Types and significance of cardiomyopathies
12. Laboratory diagnosis of bleeding disorders
13. Pneumoconiosis
14. Mitral regurgitation
15. Pathophysiology of emphysema
16. Congenital heart diseases
17. Chronic leukemia
18. Obstructive uropathy

**Answer briefly(2 marks):**

1. Four causes of neutrophilia  
Four cause of neutrophilia
2. Two types of cardiomyopathy  
Definition  
Types of cardiomyopathy  
Pathophysiology
3. Four causes of restrictive lung disease  
Definition  
Four cause
4. Four causes of end stage renal disease  
Definition  
Four causes
5. Four types of haemolytic anaemia  
Definition  
Four causes
6. Four causes of lymphocytosis.  
Definition  
Four causes
7. Four complications of chronic renal failure.  
Definition  
Complications
8. Two common clinical manifestations of haemophilia.  
Clinical manifestation
9. Two causes of pleural effusion.  
Definition  
Causes

10. What is polycythaemia
  - Definition
  - Complications
11. What causes pulmonary edema
  - Definition
  - Causes
12. What is acute glomerulonephritis
  - Definition
  - Types
  - Pathogenesis
  - Causes
13. What are the complications of artificial heart valves
  - Complications of artificial heart valve
14. Name two cyanotic congenital heart diseases
  - Definition
  - Types
  - Pathophysiology
  - Etiology
  - Complications
15. Risk factors for atherosclerosis
  - Definition
  - Risk factor
16. Classification of aneurysms
  - Definition
  - Classification
17. Pleural effusion
  - Definition
  - Pathogenesis
  - Etiology

18. Leukemia
  - Definition
  - Difference
  - Classification
  
19. Types of cardiomyopathy
  - Definition
  - Types
  
20. Complications of mitral stenosis
  - Complications
  
21. Aortic aneurysm
  - Definition
  - Types
  - Complications