

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