***Calendar plan of lectures***

1. General concepts of pathophysiology
2. Acid-base disorders
3. Disorders of water and electrolyte balance
4. Inflammation 1
5. Inflammation 2
6. Allergy1
7. Allergy 2
8. Immunodeficiency
9. Mechanisms of tumorigenesis 1
10. Mechanisms of tumorigenesis 2
11. Red blood cells disorders
12. Pathophysiology of Leukemias
13. Disorders of haemostasis
14. Atherosclerosis. Coronary artery disease
15. Pathophysiology of shock
16. Obstructive and restrictive lung diseases
17. Pulmonary edema
18. Pathophysiology of Acid-peptic disease
19. Pathophysiology of Pancreatitis
20. Acute and chronic Hepatitis
21. Acute and chronic renal failure

***Calendar plan of workshops and practical classes***

1. Cell injury and death
2. General mechanisms of hypoxia
3. Acid-base disorders
4. Water and electrolyte disorders.
5. Module 1
6. Acute Inflammation
7. Chronic inflammation
8. Pathophysiology of Fever
9. Pathophysiology of Allergy
10. Module 2
11. Immunodeficiencies
12. Pathophysiology of Tumors
13. Module 3
14. Red blood cell disorders
15. White blood cell disorders
16. Module 4
17. Conduction disorders
18. Dysrhythmias
19. Heart failure
20. Module 5
21. Lung volumes, capacities, and the spirogram
22. Ventilation to perfusion mismatch
23. Module 6
24. Acid-peptic disease
25. Pathophysiology of exocrine pancreas
26. Pathophysiology of diarrhea
27. Module 7
28. Pathophysiology of Jaundice
29. Overview of liver diseases. Liver Function tests
30. Glomerular filtration rate(GFR)
31. Glomerulonephritis and nephrotic syndrome
32. Module 8