**Following are the headings of 140 lectures that will be conducted in this course :**

**1) Etiopathogenesis and Morphology Of Cell Injury**

**2) Adaptations : Atrophy , Hypertrophy , Hyperplasia , Metaplasia , Dysplasia.  Degenerations**

**3) Subcellular alterations , Intracellular accumulations , Pathologic Calcification**

**4) Necrosis , Gangrene , Apoptosis**

**5) Basics of Immunology and Immune Response**

**6) Hypersensitivity Disorders**

**7) Autoimmune Disorders + HLA + Transplantation Immunology**

**8) Immunodeficiency Disorders Including HIV**

**9) Amyloidosis**

**10) Internal Environment , Electrolyte Disturbances**

**11) Acid Base Balance**

**12) Pressure Gradients , Fluid Exchanges , Edema**

**13) Hyperemia , Congestion , Shock**

**14) Thrombosis , Embolism , Ischemia and Infarction**

**15) Basics of Inflammation , Acute Inflammation**

**16) Chronic inflammation with special reference to chronic granulomatous inflammation , Pathology of healing**

**17) Tuberculosis - 1**

**18)Tuberculosis - 2**

**19) Leprosy**

**20) Syphilis , Actinomycosis , Sarcoidosis**

**21) Amoebiasis**

**22) Malaria - 1**

**23) Malaria - 2**

**24) Dengue and Chikungunya**

**25) Approach to a patient with pyrexia of unknown origin**

**26) Basics of Neoplasia : Nomenclature and Classification , Characteristic of Tumours , Prognostic Markers , Grading and Staging**

**27) Etiology and Pathogenesis of Neoplasia - 1**

**28) Etiology and Pathogenesis of Neoplasia - 2**

**29) Clinical Aspects and Diagnosis of Neoplasia**

**30) Nutritional Disturbances : Obesity**

**31) Vitamin D deficiency**

**32) Other Vitamin Deficiencies**

**33) Genetic and Pediatric Diseases : Basics**

**34) Storage Diseases : GSD , MPS , Gaucher’s disease**

**35) Arteriosclerosis and Atherosclerosis**

**36) Vasculitides**

**37) Tumours and Tumour Like Lesions of Blood Vessels**

**38) Ischemic Heart Disease : Angina and AMI**

**39) Basics of Hematopoiesis and Anemia**

**40) Microcytic Hypochromic Anemias - 1**

**41) Microcytic Hypochromic Anemias - 2**

**42) Macrocytic Anemias**

**43) Hemolytic Anemias - 1**

**44) Hemolytic Anemias - 2**

**45) Hemolytic Anemias - 3**

**46) Normocytic Normochromic Anemias – ACD and Aplastic anemia**

**47) Approach to a patient with Anemia**

**48) Granulopoiesis and Common Non neoplastic WBC abnormalities**

**49) Infectious Mononucleosis and Reactive Lymph node Pathology**

**50) Myeloproliferative Disorders**

**51) Myelodysplastic Syndrome**

**52) Leukemias**

**53) Lymphoproliferative Disorders**

**54) Multiple Myeloma**

**55) Splenic and Thymic Disorders**

**56) Thrombopoiesis and Hemorrhagic disorders**

**57) Clotting disorders**

**58) Blood Grouping and Blood Transfusion**

**59) Common Hematologic Tests : ESR , PCV , DCT , ICT**

**60) Lymph Node : Hodgkin’s Lymphoma**

**61) Lymph node : Non Hodgkin’s Lymphoma**

**62) Respiratory System : Pneumonias**

**63) Chronic Bronchitis and Emphysema**

**64) Bronchial Asthma and Bronchiectasis**

**65) Chronic Restrictive Pulmonary Disease**

**66) Bronchogenic Carcinoma and Bronchial Carcinoid**

**67) Miscellaneous Lesions of Eye , ENT and Neck**

**68) Miscellaneous Lesions of Oral Cavity and Salivary Glands**

**69) Acid Peptic Disease - 1**

**70) Acid Peptic Disease- 2**

**71) Ca. Esophagus and Ca. Stomach**

**72) Inflammatory Bowel Disease : Crohns Disease and Ulcerative Colitis**

**73) Malabsorption Syndromes**

**74) Appendicitis and Tumours of Appendix**

**75) Large Intestinal Polyps and Tumours**

**76) Liver Functions Tests and Jaundice**

**77) Viral Hepatitis**

**78) Cirrhosis - 1**

**79) Cirrhosis - 2**

**80) Gallstone Disease**

**81) Hepatic and Gall Bladder Tumours**

**82) Renal Function Tests and Urine Analysis**

**83) Acute and Chronic Renal Failure**

**84) Cystic Diseases Of Kidney**

**85) Glomerular Diseases - 1**

**86) Glomerular Diseases - 2**

**87) Tubular Diseases**

**88) Renal Vascular Diseases**

**89) Urolithiasis**

**90) Tumours of Kidney**

**91) Non Neoplastic and Neoplastic Lesions of Testes and Penis**

**92) Benign Prostatic Hyperplasia**

**93) P.I.N and Ca. Prostate**

**94) Semen Analysis**

**95) Lesions of Vulva and Vagina**

**96) Pathology of Cervix**

**97) Pathology of Myometrium and Endometrium**

**98) Pathology of Fallopian Tubes**

**99) Non neoplastic and Neoplastic lesions of ovary – 1**

**100) Non neoplastic and Neoplastic lesions of ovary – 2**

**101) Lesions of Placenta**

**102) Non Neoplastic Lesions and Benign Tumours of the Breast**

**103) Breast Cancer**

**104) Non Neoplastic Lesions of Skin**

**105) Squamous cell and Basal Cell carcinoma of Skin**

**106) Melanoma - 1**

**107) Melanoma - 2**

**108) Skin Adnexal Tumours**

**109) Pathology of Pituitary Gland**

**110 ) Non Neoplastic Lesions of Thyroid - 1**

**111) Non Neoplastic Lesions of Thyroid - 2**

**112) Neoplastic Lesions of Thyroid**

**113) Pathology of Adrenal Gland - 1**

**114) Pathology of Adrenal Gland - 2**

**115) Diabetes Mellitus - 1**

**116) Diabetes Mellitus - 2**

**117) Diabetes Mellitus - 3**

**118) Pathology of Parathyroid Glands**

**119) Osteoarthritis**

**120) Rheumatoid Arthritis - 1**

**121) Rheumatoid Arthritis - 2**

**122) Metabolic and Endocrine Bone Diseases**

**123) Tumour Like Lesions of the Bone**

**124) Bone Tumours - 1**

**125) Bone Tumours - 2**

**126) Gout and Pseudo Gout**

**127) Muscle Biopsy and common skeletal muscle lesions**

**128) Soft Tissue Tumours – Tumours and Tumour Like Lesions of Fibrous Tissue**

**129) Fibrohistiocytic tumours and Adipose Tissue Tumour**

**130) Skeletal Muscle and Smooth Muscle Tumours**

**131) Tumours of Uncertain Histogenesis**

**132) Introduction to CNS and Inflammatory Lesions of CNS**

**133) Tumours of CNS : Gliomas**

**134) Meduloblastoma , Choroid Plexus Papilloma , Hemangioblastoma and Primary CNS lymphoma**

**135) Meningiomas and Metastatic Tumours of CNS**

**136) PNS and Nerve Sheath Tumours**

**137) Diagnostic Cytopathology - 1**

**138) Diagnostic Cytopathology - 2**

**139) Pleural Fluid , Ascitic Fluid and Synovial Fluid Examination**

**140 )Sputum Examination , Stool Examination**