Basics of Medical Disorders BVOCCT-404

**Unit I**

**Cardiac and Respiratory diseases** –

1. Cardio vascular diseases

a. Hypertension, Ischemic heart diseases, Myocardial Infarction, arrhythmias

b. Heart failure, shock - types, causes

2. Respiratory diseases

a. Pneumonia, tuberculosis,

b. Chronic obstructive pulmonary disease, asthma

c. Pleural effusion, pneumothorax

d. Interstitial lung disease

**Unit II**

**Neurological, Renal, GI and infectious diseases –**

3. Neurological diseases

a. Polio myelitis, Gullian Barre Syndrome, Myasthenia Gravis, epilepsy / seizure disorder, cerebro vascular accident / stroke

4. Renal Diseases

a. Acute kidney injury

b. Chronic Kidney Disease

5. Gastro intestinal and Liver Diseases

a. Gastritis / APD, peptic ulcer

b. Acute gastroenteritis

c. Hepatitis, Hepatic failure, alcoholic liver disease

6. Infectious diseases: Dengue, malaria, leptospirosis

**Unit III**

**Blood, fluid, electrolyte and acid base abnormalities –**

7. Blood loss and Anemia, thrombocytopenia

8. Fluid Electrolyte imbalance and corrective methods

9. Acid Base abnormalities and corrective methods

**Unit IV**

**Pulmonary Oedema, Sepsis and MODS –**

10. Pulmonary Oedema, Acute Lung Injury and Acute Respiratory Distress Syndrome

11. Sepsis, multi-organ failure, Multi-organ dysfunction syndrome

**Unit V**

**Health problems in Specific conditions and** Toxicology – . Health problems in specific conditions

a. Pregnancy - antenatal care, disorders in pregnancy

b. Children and new born

c. Obesity

d. Diabetes mellitus

e. HIV infections and AIDS

f. Elderly subjects and disability

g. Brief mention about endocrine disorders

13. Poisoning and drug over dosing

a. Classification of poisons

b. Principles of treatment of poisoning and Primary care

c. Poisons and drug over dosing requiring ventilation

14. Miscellaneous

a. Drowning

b. Hanging

**Practical:**

1. History Taking and clinical examination, monitoring of patient.

2. Therapeutic options for various diseases and conditions

**Recommended Books Recent Editions.**

1. Davidson's Principles and Practice of Medicine - Elsevier Publications

2. Harrison's Principle of Internal Medicine