1. **Course Contents Theory & practice**

- Basic sciences including Anatomy, Physiology, Pathology, Microbiology and Pharmacology.

**Main subjects to be covered**

- 1. Dermatology
- 2. Venereology
- 3. Leprosy
- 4. Dermatopathology
- 5. Dermatosurgery (including lasers)

**Basics of Dermatology**

- 1. Fundamental
- History taking and examination of dermatological patient
- Type of skin lesions
- Distribution patterns
- Aids in diagnosis of skin diseases etc.
- Structure and development of skin
- Biochemistry and Physiology of epidermis and its appendages including Melanin synthesis
- Keratinization
- Pathophysiological reactions of skin
- Basic immunology

**Skin Diseases**

- Disorders of Keratinization and epidermal proliferation
- Disorders affecting skin appendages, hair, nail, sebaceous glands, sweat glands and apocrine glands etc.
- Neoplastic disorders of skin
- Genodermatoses
- Vesiculo bullous diseases, e.g. pemphigus, pemphigoid, erythema multiforme, dermatitis herpetiformis etc.
- Dermatitis:- exogenous – contact dermatitis, patch testing, endogenous – atopic acquired endogenous nummular
- Disorders of pigmentation
- Disorders of collagen and connective tissue
- Disorders of mucous membranes, stomatological disorders
- Disorders involving genitalia
- Disorders due to physical agents, heat, cold, light, radiation etc.
- Disorders due to chemical agents – reactions to chemicals, occupational dermatosis
- Pyodermas
- Fungal infections – superficial and deep
- Viral infection
- Parasitic infestations, insect bites etc.

**Dermatology in relation to internal medicine**

- Nutritional diseases – protein and vitamin deficiencies

**Metabolic disorders**

1. Diabetes mellitus
2. Amino acid metabolism
3. Porphyrin metabolism
4. Lipidosis
5. Dysproteinemias and agamma globulinemias etc.
6. Carcinoid syndrome
7. Glycolipid lipoidosis
8. Calcinosis cutis
9. Histiocytosis
10. Hematological systems-reticulosis-leukema etc.
11. Gastro-intestinal system
12. Endocrinical system
13. Neurocutaneous disorder
14. Psychocutaneous disorders

**Allergic disorders**

1. Anaphlaxis – urticaia / angioedema
2. Serum sickness
3. Reactions drug etc.

**Venereal disorders**

1. Anatomy of male and female genitalia
2. Syphilis and other treponematoses, immunology, pathology, diagnosis, Treatment, control etc.

- Gonococcal urethritis and complications
- Lymphogranuloma venereum
- Chancroid
- Granuloma inguinale (Donovansoi)
- Other disorders involving male and female genitalia

- STIs and control
- STI and Reproductive health
- Epidemiology of STI’S,

  **AIDS**

- Transmission, prevention, clinical manifestations, prophylaxis of opportunistic infections,
- Anti-retroviral therapy, treatment in HIV+ve STD cases.

  **Leprosy**

- 1. Epidemiology
- 2. Pathogenesis
- 3. Pathology
- 4. Diagnosis – clinical features, classifications, laboratory aids
- 5. Reactive phase – Ocular involvement, Bone involvement
- 6. Treatment of leprosy and reactions
- 7. Leprosy control and rehabilitation etc.

  **Dermato-surgery**

- The course would consist of lesions in basic techniques of dermatosurgery or various diseases and laser.
- Skin biopsy
- Punch grafting
- Split skin grafting
- Dermabrasion and suction blister grafting
- Dermabrasion
- Scar revision
- Chemical peeling
- Cryosurgery
- Excision
- Electrosurgery, Radio-surgery
- LASER: for Hair Reduction, for Pigment Removal, for Scar