

Dermatology :

POST GRADUATE DEGREE STANDARD

I. Anatomy

(1) Embryology

(2) Light microscopic and ultrastructure of Epidermis, Dermis, Appendages and Subcutis.

(3) Blood and Nerve Supply.

II. Physiology

(1) Sweat Secretion

(2) Thermo regulation

(3) Hair growth

(4) Percutaneous absorption

(5) Sensory Function

(6) Growth cycle

III. Bio Chemistry

(1) Keratin and Keratinisation

(2) Connective Tissue - Collagen , Reticulin, Elastin, Ground Substance

(3) Melanin and pigmentation

(4) Metabolism - Prostaglandins, AMP, GMP, Enzymes

(5) Lipid metabolism

IV. Pathology

(1) Basic Pathological Patterns in Dermatology

(2) Histochemical Stains in Dermatology

(3) Immuno fluorescence

(4) Immuno histo chemical markers

(5) DNA typing & probing.

V. Bacteriology

(1) Fundamentals of Cutaneous flora

VI. Mycology

(1) Dermatophytes

(2) Deep Mycosis

VII. Virology

(1) Structure of viruses

(2) Diagnostic procedures of viral infections

VIII. Parasitology

(1) Insects

(2) Mites

(3) Nematodes

IX. Pharmacology

(1) Corticosteroids

(2) Antihistamines

(3) Antibiotics

(4) Antimitotics

(5) Dermatologic formulations

(A) Emulsions

(B) Lotions

(C) Ointments

(D) Creams

(E) Paste(F) Powders

X. Social aspects of Dermatology in relation to Psychological aspects of Cutaneous Diseases.

PAPER - II

I. Genetics and Genodermatoses

II. Eczemas and occupational Dermatoses

III. Infections

(a) Bacterial

1) General,

2) Mycobacterial

(b) Viral Diseases

(c) Trypanemal Diseases

(d) Mycology

1) Superficial

2) Deep Mycoses

(e) Infestation

IV. Bullous Disorders

a) Congenital

b) Acquired

1) Auto-immune

2) Drug Reactions

V Papulo Squamous and Pigmentary disorders

a) Papulo Squamous

1) Psoriasis

2) Lichen Planus and Lichenoid Dermatoses

3) Parapsoriasis

4) Pityriasis Rosea

b) Pigmentary Disorders

1) Hyperpigmentation

2) Hypopigmentation

3) Depigmentation

VI Connective Tissue Disorders and Vascular Disorders

a) Connective Tissue Disorders

1) Lupus Erythematosus

2) Scleroderma

3) Dermatomyositis

4) Rheumatoid Diseases

b) Vascular Disorder

1) Vasculitis

2) Purpura

3) Vascular Tumors

VII Disorders of Nutrition and Metabolism

a) Vitamins

b) Minerals

c) Amino Acids

d) Diabetes

e) Lipid and Lipid Storage Disorders

f) Glycogen Storage DisordersVIII Disorders of Appendages

a) Hair

b) Nail

c) Sebaceous Glands

d) Eccrine and Apocrine glands

IX Cutaneous Neoplasms

a) Benign

b) Malignant

X Therapy

a) Topical

b) Systemic

c) Physical

1) Photo therapy

2) Electro Surgery

3) Cryo Surgery

4) Laser Therapy

d) Dermato Surgery

1) Vitiligo Surgery

2) Lipo Suction

3) Hair Transplantation