

April-2001

[KD 166]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XII — Dermatology

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours |

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any FOUR questions in each subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Merkel Cell
- (b) Stratum Lucidum
- (c) Melanophores
- (d) Keratinization
- (e) Glabrous skin.

(PHYSIOLOGY)

2. (a) Role of hypothalamus on regulating skin temperature
- (b) Triple response
- (c) Role of hormones on the ground substance of the dermis
- (d) Weibel-Palade bodies
- (e) Immunological functions of the skin.

(BIOCHEMISTRY)

3. (a) Structure of Matrix
(b) Biochemistry of sweat
(c) Ketone bodies
(d) Melanocyte stimulating hormone
(e) Vitamin D.

(PHARMACOLOGY)

4. (a) Cyproheptadine
(b) Silver sulphadiazine
(c) Azathioprine
(d) Pefloxacin
(e) Niacin deficiency.

(PATHOLOGY)

5. (a) Enumerate the fixatives and special stains used in skin biopsies
(b) Differences between Lepromatous and Tuberculoid Leprosy
(c) Amelanotic melanoma
(d) Histiocytosis
(e) Erysipelas.

(MICROBIOLOGY)

6. (a) Dermatophytes
(b) Tissue Culture
(c) Mycobacterium Marinum
(d) Cutaneous candidosis
(e) Standard tests for Syphilis.
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November-2001

KE 166]

Sub. Code : 9000

M.D. DEGREE EXAMINATION.

(New/Revised Regulations)

Branch XII — Dermatology

Part I

Paper I — APPLIED BASIC SCIENCES

Time : Three hours

Maximum : 180 marks

Answer each subject in a separate answer book.

Answer any FOUR short notes in each subject.

All questions carry equal marks.

(ANATOMY)

1. (a) Lymphatics of Skin.
- (b) Ridge Count.
- (c) Melanin Pigment.
- (d) Interfollicular Epidermis.
- (e) Proliferative Index.


(PHYSIOLOGY)

2. (a) Axon reflex.
- (b) Triple response.
- (c) Write briefly on 'Skin as a barrier'.
- (d) Cutaneous changes during circulatory shock.
- (e) 'Insensible perspiration'.

(BIOCHEMISTRY)

3. (a) Adrenaline.
(b) Multiple Myeloma.
(c) Cystic Fibrosis.
(d) Carcinoid tumour.
(e) Bile pigments.

(PATHOLOGY)

4. (a) Mycosis fungoides.
(b) L.E. Cell preparation.
(c) Marjolin's Ulcer.
(d) Blue nevus 
(e) Cylindroma.

(PHARMACOLOGY)

5. (a) Amikacin.
(b) Clobetazole.
(c) Chlorhexidine.
(d) Isotretinoin.
(e) Calcium Gluconate.

(MICROBIOLOGY)

6. (a) Herpes Zoster.
(b) Pathogenesis of Leprosy.
(c) Guinea worm infection.
(d) Molluscum contagiosum.
(e) Trichophyton.

[KJ 241]

Sub. Code : 2110

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XII-A — Dermatology, Venereology and Leprosy

Part I

Paper I — APPLIED BASIC SCIENCES IN RELATION
TO THE SPECIALITY

Time : Two hours c Maximum : 75 marks

Theory : One hour and Theory : 60 marks
forty-five minutes

M.C.Q. : Fifteen minutes M.C.Q. : 15 marks

M.C.Q. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions on the
first page of M.C.Q. Booklet.

Answer each subject in a separate Answer Book.

Answer any **FOUR** short notes in each subject.

Draw suitable diagrams wherever necessary.

**SECTION A
(ANATOMY)**

1. (a) Structure of epidermis. (4 × 5 = 20)
(b) Inguinal lymph nodes.
(c) Hair follicle.
(d) Prostatic urethra.
(e) Spermatic cord.

(PHYSIOLOGY)

2. (a) Formation and function of C.S.F. (4 × 5 = 20)
(b) Composition and functions of semen.
(c) Sterility.
(d) Sweating.
(e) Effect of sex hormones on skin.

(BIOCHEMISTRY)

3. (a) Synthesis of Melanin. (4 × 5 = 20)
(b) Structure and types of collagen.
(c) Composition of sweat.
(d) Porphyrias - classification, mode of
inheritance, enzyme deficient.
(e) Alkaptonuria.