

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0723]

JULY 2023

Sub. Code: 2093

(MAY 2023 EXAM SESSION)

M.D. DEGREE EXAMINATION

BRANCH XX – DERMATOLOGY, VENEREOLOGY AND LEPROSY

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code: 202093

Time: Three Hours

Maximum: 100 Marks

(ANSWER SECTION A & B SEPARATELY)

SECTION – A

DERMATOLOGY AND LEPROSY

Write notes on:

**I. ANATOMY:**

(2 x 5 = 10)

1. Epidermal Melanin Unit.
2. Eccrine sweat glands.

**II. PHYSIOLOGY:**

(2 x 5 = 10)

1. Keratinisation of skin.
2. Itch pathway.

**III. BIO-CHEMISTRY:**

(2 x 5 = 10)

1. Lipids of stratum corneum.
2. Porphyrin metabolism.

**IV. PHARMACOLOGY:**

(2 x 5 = 10)

1. Wet wrap therapy.
2. Potassium permanganate in dermatology.

**V. PATHOLOGY:**

(2 x 5 = 10)

1. Splendore – Hoeppli phenomenon.
2. Flame figures.

**VI. MICROBIOLOGY:**

(2 x 5 = 10)

1. Normal cutaneous microbiome.
2. Demodex mite.

SECTION B – VENEREOLOGY

**I. ANATOMY:**

(2 x 5 = 10)

1. Male urethra.
2. Seminal vesicles and its applied anatomy.

**II. PHYSIOLOGY:**

(2 x 5 = 10)

1. Innervation of urinary bladder.
2. Accommodation reflex.

**III. BIO-CHEMISTRY:**

(1 x 5 = 5)

1. Biochemical test for Neisseria Gonorrhoea.

**IV. PHARMACOLOGY:**

(1 x 5 = 5)

1. Sinecatechins.

**V. PATHOLOGY:**

(1 x 5 = 5)

1. Endarteritis obliterans.

**VI. MICROBIOLOGY:**

(1 x 5 = 5)

1. Nugent's score.

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