

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

[MD 1022]

OCTOBER 2022

Sub. Code: 2093

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. Anatomy of hair follicle.
2. Langerhans cells.

**II. PHYSIOLOGY:** (2 x 5 = 10)

1. Melanogenesis.
2. Glomus cells.

**III. BIO-CHEMISTRY:** (2 x 5 = 10)

1. Biosynthesis of collagen.
2. Laboratory testing in Porphyria.

**IV. PHARMACOLOGY:** (2 x 5 = 10)

1. Skin barrier function.
2. Mycophenolate Mofetil.

**V. MICROBIOLOGY:** (2 x 5 = 10)

1. Milkers's nodule.
2. Cellular morphology of Mycobacterium leprae

**VI. PATHOLOGY:** (2 x 5 = 10)

1. Asteroid bodies
2. Mikulicz cells

SECTION – B

VENEREOLOGY

**I. ANATOMY:** (2 x 5 = 10)

1. Lymphatic drainage of female genitalia
2. Ovaries

**II. PHYSIOLOGY:** (2 x 5 = 10)

1. Physiological vaginal discharge
2. Semen analysis

**III. BIO-CHEMISTRY:** (1 x 5 = 5)

1. Vaginal Ph

**IV. PHARMACOLOGY:** (1 x 5 = 5)

1. Fusion inhibitor

**V. MICROBIOLOGY:** (1 x 5 = 5)

1. Culture for gonococcus

**VI. PATHOLOGY:** (1 x 5 = 5)

1. Malignant syphilis.

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