

(LP 2093)

OCTOBER 2019

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. Langerhans cell.
2. Lamina Lucida.

**II. PHYSIOLOGY:**

**(2 x 5 = 10)**

1. Types of keratin and their importance.
2. Barrier function of the epidermis.

**III. BIO-CHEMISTRY:**

**(2 x 5 = 10)**

1. Tryptophan metabolism.
2. Porphyrin synthesis.

**IV. PHARMACOLOGY:**

**(2 x 5 = 10)**

1. Dapsone.
2. Rituximab.

**V. MICROBIOLOGY:**

**(2 x 5 = 10)**

1. Bacteriological index.
2. Endothrix.

**VI. PATHOLOGY:**

**(2 x 5 = 10)**

1. Dyskeratosis.
2. Histopathology of Histoid Hansens with diagram.

**SECTION B – VENEREOLOGY**

**I. ANATOMY:**

**(2 x 5 = 10)**

1. Prostate.
2. Lymphatic drainage of female genitalia.

**II. PHYSIOLOGY:**

**(2 x 5 = 10)**

1. Seminal fluid.
2. Innervations of the urinary bladder.

**III. BIO-CHEMISTRY:**

**(1 x 5 = 5)**

1. Enzymes in Human Immunodeficiency Virus.

**IV. PHARMACOLOGY:**

**(1 x 5 = 5)**

1. Imiquimode.

**V. MICROBIOLOGY:**

**(1 x 5 = 5)**

1. Structure of Human Immunodeficiency Virus.

**VI. PATHOLOGY:**

**(1 x 5 = 5)**

1. Condyloma acuminatum.

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