

**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. Distribution of various types of collagen in skin.
2. Desmosome -tonofilament complex.

**II. PHYSIOLOGY:**

**(2 x 5 = 10)**

1. Stem cells of skin.
2. Innervation and neurotransmitters of eccrine sweat glands.

**III. BIO-CHEMISTRY:**

**(2 x 5 = 10)**

1. Mediators of pruritus.
2. Mediators of Mast cell.

**IV. PHARMACOLOGY:**

**(2 x 5 = 10)**

1. Emulsions in dermatology.
2. Clofazimine.

**V. MICROBIOLOGY:**

**(2 x 5 = 10)**

1. Acid fast bacilli and skin.
2. Demodex folliculorum.

**VI. PATHOLOGY:**

**(2 x 5 = 10)**

1. Various dermal deposits.
2. Pseudo epitheliomatous hyperplasia.

**SECTION B – VENEREOLOGY**

**I. ANATOMY:**

**(2 x 5 = 10)**

1. Optic tract.
2. Lymphatic drainage of penis.

**II. PHYSIOLOGY:**

**(2 x 5 = 10)**

1. Physiology of ejaculation.
2. Breast feeding and STIs.

**III. BIO-CHEMISTRY:**

**(1 x 5 = 5)**

1. Prostaglandins.

**IV. PHARMACOLOGY:**

**(1 x 5 = 5)**

1. Trichloroacetic acid.

**V. MICROBIOLOGY:**

**(1 x 5 = 5)**

1. Culture media for Gonococci.

**VI. PATHOLOGY:**

**(1 x 5 = 5)**

1. Cytodiagnosis of STIs.

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