

**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. Dermoepidermal junction.
  2. Melanocyte.
- II. PHYSIOLOGY:** (2 x 5 = 10)
1. Normal neonatal skin.
  2. Physiology of wound healing.
- III. BIO-CHEMISTRY:** (2 x 5 = 10)
1. Porphyrin metabolism.
  2. Composition of Sebum.
- IV. PHARMACOLOGY:** (2 x 5 = 10)
1. Thalidomide.
  2. Rifampicin.
- V. MICROBIOLOGY:** (2 x 5 = 10)
1. Sabourauds Dextrose agar.
  2. Anthrax.
- VI. PATHOLOGY:** (2 x 5 = 10)
1. Borst Jadassohn phenomenon.
  2. Cornoid Lamellae.

**SECTION B – VENEREOLOGY**

- I. ANATOMY:** (2 x 5 = 10)
1. Bartholin's gland.
  2. Normal vaginal flora.
- II. PHYSIOLOGY:** (2 x 5 = 10)
1. Mother to child transmission of HIV.
  2. Erection.
- III. BIO-CHEMISTRY:** (1 x 5 = 5)
1. Nucleic acid amplification tests in STD.
- IV. PHARMACOLOGY:** (1 x 5 = 5)
1. Treatment of congenital syphilis.
- V. MICROBIOLOGY:** (1 x 5 = 5)
1. Western Blot test.
- VI. PATHOLOGY:** (1 x 5 = 5)
1. Granuloma inguinale.

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