

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**M.D. DEGREE EXAMINATION - May 2019**

**DERMATOLOGY, VENEREOLOGY AND LEPROSY**

**PAPER I: APPLIED BASIC SCIENCES**

Time: Three hours

Maximum: 100 marks

**All questions carry equal marks**

**I. ANATOMY : (4 x 5 = 20)**

1. Describe in detail the nerve supply of skin.
2. Describe with illustrations, the structure of hair follicle.
3. Describe the lymphatic drainage of male genitalia.
4. a) Structure of hemidesmosomes  
b) Enumerate the important antigenic components of hemidesmosomes.

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

5. Functions of Odland bodies
6. Pathway of pruritus.

**III. BIOCHEMISTRY : (2 x 5 = 10)**

7. Heme biosynthesis
8. Elastin

**IV. PHARMACOLOGY : (4 x 5 = 20)**

9. Apremilast
10. Intravenous immunoglobins
11. Sunscreens
12. Tazarotene

**V. PATHOLOGY : (4 x 5 = 20)**

13. Basal cell degeneration
14. Histoid habitus
15. Microabscess
16. Lichenoid reactions.

**VI. MICROBIOLOGY : (4 x 5 = 20)**

17. Mycobacterium Leprae.
18. Triple PCR.
19. Serological test for syphilis.
20. PGL-1.