

**MANIPAL UNIVERSITY****MD (DERMATOLOGY, VENEREOROLOGY AND LEPROSY)  
DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER I: BASIC SCIENCES IN RELATION TO DERMATOLOGY**

Tuesday, October 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions. Answers should be specific to the questions asked.**

✍ **Draw neat labeled diagrams wherever necessary.**

✍ **Essay Questions:**

1. Describe the structure and function of basement membrane zone.

(15 marks)

2. Describe the hair cycle and factors controlling hair growth.

(15 marks)

3. **Write short answers:**

3A. Principles of Ziehl-Neelsen stain

3B. Contents and function of Dermal ground substance

3C. Types of Cutaneous sensory receptors

3D. Structure of melanocyte

3E. Function of Filaggrins

3F. Anatomy of nail unit

3G. Structure and function of Merkel cell

3H. Thermoregulatory skin function

3I. Role of Matrix metalloproteinases in skin function

3J. Antimicrobial peptides and skin

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY**  
**MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY)**  
**DEGREE EXAMINATION – OCTOBER 2015**

**SUBJECT: PAPER II: PRINCIPLES OF DERMATOLOGY**

Wednesday, October 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions. Answers should be specific to the questions asked.**

✍ **Draw neat labeled diagrams wherever necessary.**

✍ **Essay Questions:**

1. Describe the aetio-pathogenesis of psoriasis. (15 marks)

2. Classify fungal infections. Discuss clinical varieties of onychomycosis. (15 marks)

3. **Write short answers:**

3A. Autologous serum skin test

3B. Classify palmo-plantar keratoderma. Write about Vohwinkel's syndrome.

3C. Clinical features of follicular occlusion syndrome

3D. Classify alopecias. Add a note on loose anagen syndrome.

3E. What are the types of sunscreen? Add a note on Sun Protection Factor.

3F. Nail changes in systemic disease

3G. Causes of hyperhidrosis

3H. Classification of psychocutaneous diseases

3I. Clinical features of necrobiotic disorders

3J. Management of hereditary epidermolysis bullosa

(7 marks × 10 = 70 marks)



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# MANIPAL UNIVERSITY

## MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – OCTOBER 2015

### SUBJECT: PAPER III: VENEREOLOGY AND LEPROSY

Thursday, October 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Describe the Pathogenesis, clinical manifestations and management of Type I reaction in Leprosy.

(3+7+5 = 15 marks)

2. Describe the clinical features and management of Gummatous syphilis.

(10+5 = 15 marks)

3. **Write short notes on:**

3A. Lucio leprosy

(7 marks)

3B. Complications of Herpes simplex type II infection

(7 marks)

3C. Ophthalmia neonatorum

(7 marks)

3D. Lepromin test

(7 marks)

3E. Newer drugs in leprosy

(7 marks)

3F. Vulvodynia

(7 marks)

3G. Claw hand

(7 marks)

3H. Bowenoid papulosis

(7 marks)

3I. Bacterial index

(7 marks)

3J. Clinical types of chancroid and laboratory diagnosis

(5+2 = 7 marks)



**MANIPAL UNIVERSITY****MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY)  
DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER IV: DERMATOLOGY IN RELATION TO GENERAL MEDICINE**

Friday, October 09, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the cutaneous signs of renal failure and dialysis. (15 marks)
2. Discuss in detail the role of antimalarials in dermatology. (15 marks)

3. **Write short notes on:**

- 3A. Role of Antioxidants in dermatology
- 3B. What is Anticonvulsants hypersensitivity syndrome?
- 3C. What are the complications of PUVA therapy?
- 3D. What is Pachyonychia congenital?
- 3E. What is Toxic shock syndrome?
- 3F. What is photodynamic inactivation?
- 3G. Describe Wiskott-Aldrich syndrome.
- 3H. Discuss Graft versus host disease.
- 3I. Describe Paraneoplastic pemphigus.
- 3J. Anti-nuclear antibodies

(7 marks × 10 = 70 marks)

