

MANIPAL UNIVERSITY

MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER I: BASIC SCIENCES IN RELATION TO DERMATOLOGY

Monday, April 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ Answer ALL the questions.

☞ Long Essays:

1. Discuss the principles, methodology and interpretation of Immunofluorescence in dermatology.

(15 marks)

2. Describe the morphology of melanocyte and write about melanogenesis.

(15 marks)

3. Write short answers:

3A. Components of intercellular junction of epidermis

3B. Steps of collagen biosynthesis

3C. Sensory receptors of the skin

3D. Structure of lepra bacillus

3E. Steps of wound healing

3F. Principles of Gram staining

3G. Innate defense mechanisms of skin

3H. Genetics in skin disease with examples

3I. Peculiarities of neonatal skin

3J. Major histocompatibility complex and inflammation

(7 marks × 10 = 70 marks)



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MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER II: PRINCIPLES OF DERMATOLOGY

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **Draw neat labeled diagrams wherever necessary.**
- ✍ **Answer should be specific to the question asked.**

✍ Long Essays:

1. Discuss the aetiology, clinical features and management of congenital ichthyosiform erythroderma. (15 marks)
2. Discuss the principles, methodology and interpretation of patch testing. (15 marks)

3. Write short answers:

- 3A. Clinical features and treatment of calciphylaxis
- 3B. Treatment of unguum incarnatus
- 3C. Differences between lentigines and freckles
- 3D. Investigations in hair disorders
- 3E. Clinical features of incontinentia pigmenti
- 3F. Histopathology of molluscum contagiosum
- 3G. Clinical features of Xanthomas
- 3H. How will you diagnose mycosis fungoides?
- 3I. Causes of generalized hyperpigmentation
- 3J. Pharmacological classification of antihistamines

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER III: VENEREOLOGY AND LEPROSY**

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Give the DDs of urethral discharge. How will you investigate further?
(15 marks)
2. How will you investigate and proceed in a case of hypopigmented patch on a child's cheeks?
(15 marks)

3. Short notes:

- 3A. Clinical features of mid borderline leprosy
- 3B. Clinical features of granuloma inguinale
- 3C. Describe the causative organism of vaginal trichomoniasis
- 3D. Describe the histopathology of tuberculoid leprosy
- 3E. How will you treat cervical warts?
- 3F. Effect of pregnancy on Hansen's disease
- 3G. Describe inflammatory bubo and its management
- 3H. Role of rehabilitation in leprosy management
- 3I. Describe chain of events in formation of primary chancre
- 3J. Uses of physiotherapy in leprosy management

(7 marks × 10 = 70 marks)



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MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER IV: DERMATOLOGY IN RELATION TO GENERAL MEDICINE

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ Answer ALL the questions.

☞ Long Essays:

1. How is UV light useful in dermatology? Add a note on targeted phototherapy. (15 marks)
2. Management of chronic urticaria – Diagnosis and treatment. (15 marks)

3. Short notes:

- 3A. What is MRSA? How will you treat MRSA skin infection?
- 3B. Write a note on Biotin and its uses
- 3C. What is Platelet rich plasma therapy and what are its uses?
- 3D. What are the Immuno-flourescence patterns in bullous diseases?
- 3E. What do you know about topical anesthetic agents?
- 3F. What is IPL technology? How is it different from lasers?
- 3G. Write a note on Imiquimod and its uses
- 3H. Write briefly on low glyceemic diet in acne management
- 3I. How will you investigate hirsuitism?
- 3J. What is the association of thyroid disease with skin?

(7 marks × 10 = 70 marks)

