

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE
EXAMINATION – NOVEMBER 2025

PAPER I

Monday, November 10, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

☞ **Long Essays:**

1. What is innate and adaptive immunity? Explain the natural defence mechanism of skin.
2. Describe the structure of eccrine gland and mechanism of sweat formation. Differentiate merocrine, apocrine and holocrine secretions with example.

(20 marks × 2 = 40 marks)

☞ **Short Essays:**

3. Types of skin biopsy and its uses.
4. A patient came with itchy scaly skin lesions over both feet at the site of contact with footwear. Explain the type and mechanism of hypersensitivity reaction? Explain the role of patch testing in dermatology?
5. Dendritic cells in the skin and their function.

(12 marks × 3 = 36 marks)

6. **Short Notes:**

- 6A. Interface dermatitis.
- 6B. Uses of Retinoids in Dermatology.
- 6C. Tissue smear and its uses.
- 6D. Nail fold capillaroscopy and its applications.

(6 marks × 4 = 24 marks)



Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE
EXAMINATION – NOVEMBER 2025

PAPER II

Tuesday, November 11, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. You have been called to opine about a child aged six weeks admitted in the pediatric intensive care unit (ICU) with blistering all over the body. Outline your approach in this case. Discuss the relevant investigations and treatment strategies.
2. Recent advances in the pathogenesis and management psoriasis.

(20 marks × 2 = 40 marks)

✍ **Short Essays:**

3. How will you approach a 55-yr-old man presenting to the outpatient department with swelling of the left foot with multiple discharging ulcers of 18 months duration.
4. A 32-year-old obese female presented with multiple papulonodular lesions predominantly in the mandibular region. Discuss the management plan.
5. Discuss ANCA associated vasculitis.

(12 marks × 3 = 36 marks)

6. **Short Notes:**

- 6A. What is systemic contact dermatitis. Write briefly the clinical features and treatment.
- 6B. Clinical features and management of epidermodysplasia verruciformis.
- 6C. Write briefly about 'tufted angioma'.
- 6D. Clinical features and management of subcutaneous panniculitis like lymphoma.

(6 marks × 4 = 24 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE
EXAMINATION – NOVEMBER 2025

PAPER III

Wednesday, November 12, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer all the questions.**

☞ **Long Essays:**

1. Discuss the structure of HIV and the various genes encoding viral proteins with the help of neatly labelled diagrams. What is the natural history of HIV in an untreated case?
2. A 55-year-old woman comes to the Casualty with high fever, nodulo-ulcerative lesions on arms, trunk and face, painful red eyes and pedal edema. She gives history of aching pain in arms and legs and slipping of footwear of 1 week duration. What is your diagnosis? How will you confirm it and manage the patient?

(20 marks × 2 = 40 marks)

☞ **Short Essays:**

3. Enumerate the various causes of cervicitis in a sexually active woman. How will you manage trichomoniasis?
4. A 29 year old woman presented with severe right upper quadrant abdominal pain which radiates to shoulder and increases on deep inspiration. She also gave history of genital discharge a few weeks ago, which was managed by local family physician. What is your probable diagnosis and how will you manage? What are the other complications of this infection?
5. Discuss relapse, reactivation and reinfection in leprosy.

(12 marks × 3 = 36 marks)

6. **Short Notes:**

- 6A. Treatment modalities of genital wart in a primigravida at 20 weeks.
- 6B. Discuss the laws of congenital syphilis.
- 6C. Histoid leprosy.
- 6D. Clinical features of dimorphic leprosy.

(6 marks × 4 = 24 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE
EXAMINATION – NOVEMBER 2025

PAPER IV

Thursday, November 13, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. What is Immunofluorescence? What are the steps in Direct Immunofluorescence? How will you interpret DIF findings in various Autoimmune disorders?
2. How will you investigate and manage a geriatric male patient with generalised erythema and scaling with significant weight loss.

(20 marks × 2 = 40 marks)

✍ **Short Essays:**

3. What is genetic counselling? Classify inherited dermatological diseases.
4. Describe the association of Zinc in Dermatology?
5. Discuss about Skin manifestations in Chronic Renal disease.

(12 marks × 3 = 36 marks)

6. **Short Notes:**

- 6A. Write short notes on Trifarotene.
- 6B. What are the treatment options for Lip Vitiligo?
- 6C. Write a note on Body piercing and its possible complications.
- 6D. Apron Eczema.

(6 marks × 4 = 24 marks)

