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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – JULY 2023

PAPER I

Monday, July 03, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Draw neat labeled diagrams wherever necessary.

✍ Your answers should be specific to the questions asked.

✍ Essay Questions:

1. Describe the structure of sebaceous gland with help of a diagram. What is the composition of sebum?

(15 marks)

2. Describe the lymphatic drainage of female genital tract. Discuss the differential diagnosis of inguinal swellings (buboes)

(15 marks)

3. Write short answers:

3A. Discuss the pathomechanism of allergic contact dermatitis and pemphigus vulgaris

3B. Describe the steps of normal lipid metabolism

3C. Describe the normal heme pathway. What is the principle of photodynamic therapy?

3D. Discuss the steps of elastic fiber synthesis

3E. Discuss the pathways of complement activation

3F. Discuss skin as an organ of protection

3G. Describe the ultrastructure of desmosomes. Add a note on biochemical characterization of desmosomes

3H. Discuss the various techniques of skin biopsy

3I. Discuss the various methods of prenatal diagnosis

3J. Describe the anatomy of male urethra. Add a note on lab diagnosis of HSV infection

(7 marks × 10 = 70 marks)



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MD (DERMATOLOGY, VENEREOLOGY AND LEPROSY) DEGREE EXAMINATION – JULY 2023

PAPER II

Tuesday, July 04, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions. Draw neat labeled diagrams wherever necessary.

✍ Your answers should be specific to the questions asked.

✍ **Essays Questions:**

1. What are the types of subcutaneous mycosis? Describe the clinical features, causative agents, histopathology and treatment of chromoblastomycosis.

(15 marks)

2. Classify vasculitis according to the size of blood vessels. How will you approach a patient with palpable purpura?

(15 marks)

3. **Write short answers:**

3A. Classify cutaneous tuberculosis. Describe the histopathology of lupus vulgaris

3B. Describe the clinical manifestations and treatment of bacillary angiomatoses

3C. Describe the cutaneous lesions associated with pseudomonas septicaemia

3D. Describe the clinical features and management of staphylococcal scalded skin syndrome (SSSS)

3E. Describe the indications and complications of cyclosporine

3F. Enumerate the conditions caused by corynebacterium. Describe the clinical features and treatment of trichomycosis axillaris

3G. Discuss ANA testing in autoimmune connective tissue disorders

3H. Describe the clinical features of pseudoxantoma elasticum. What are the complications?

3I. What are the types of Tinea capitis? How will you investigate and treat?

3J. Describe the clinical features and management of actinic cheilitis

(7 marks × 10 = 70 marks)



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PAPER III

Wednesday, July 05, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all questions.**

✍ **Essays Questions:**

1. Classify bubos. Describe LGV bubo. How is it drained?

(15 marks)

2. Describe nerve damage in leprosy and its consequences

(15 marks)

3. **Short Notes:**

3A. Use of aceto-whitening in genital warts

3B. Sweat test in leprosy

3C. Thalidomide uses in leprosy and precautions to be taken

3D. Cryo therapy in genital warts

3E. Histopathology of borderline tuberculoid leprosy

3F. Dark ground microscopy

3G. What are the DDs for nodular leprosy?

3H. What is malignant syphilis?

3I. What are the systemic involvement in leprosy?

3J. What are chancroidal ulcers? How are they treated?

(7 marks × 10 = 70 marks)



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PAPER IV

Thursday, July 06, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Essays Questions:**

1. Discuss the newer drugs in the management of psoriasis (15 marks)
2. Discuss the cutaneous manifestations of internal malignancy (15 marks)

3. **Short Notes:**

- 3A. Drug induced Lupus Erythematosus
- 3B. Surgical management of vitiligo
- 3C. Necrobiosis lipoidica diabetorum
- 3D. Systemic complications of psoriasis
- 3E. Dermal leishmanoid
- 3F. Bowen's Disease
- 3G. Mycofenolatemofetil
- 3H. Sezary syndrome
- 3I. Role of vaccines in preventing sexually transmitted infections
- 3J. Clinical features of Behcet's Disease

(7 marks × 10 = 70 marks)

