



**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**  
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time : 3 Hrs

Max Marks : 100

**M.D DERMATOLOGY, VENERELOGY AND LEPROSY**

**Paper- I      QP Code: P3161**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100**

1. Describe in detail functions of skin. Discuss clinical features and management of acute skin failure.
2. Describe the anatomy, embryology and physiology of non keratinocytic cells of epidermis
3. a) Make a list of contact allergens b) Write their indications and side effects
4. Describe the steps involved in the process of wound healing. Discuss various types of dressings
5. Discuss physics of dark ground microscopy. Describe the structure and various movement of *Treponema pallidum*
6. Describe the etiology, diagnosis and management of cryoglobulinemia
7. Describe genetics, clinical features and management of tuberous sclerosis
8. Discuss the lipids of epidermis, sebaceous gland and their applied importance
9. a) What is an epidermal melanin unit? b) Enumerate non keratinocyte cells of epidermis c) What are special stains to study melanocytes
10. Define apoptosis. Discuss various genes involved in apoptosis. What is the role of CD99 in pathogenesis of toxic epidermal necrolysis.



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**Paper- II      QP Code: P3162**

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**LONG ESSAY**

**10 X 10 = 100**

1. Discuss the history, examination, investigations and management of hand dermatitis
2. Discuss the differential diagnosis, management of a case of fever with rash
3. Describe various types of psoriatic arthritis. Discuss x-ray changes in psoriatic arthritis
4. Discuss the dermatological manifestations, lab diagnosis and management of Lyme disease
5. a) Classify psoriatic arthropathy b) Casper criteria for psoriasis c) Outline the approach to their management
6. a) Risk factors for Deep venous thrombosis b) Discuss the clinical features and management of Calcinosis Cutis c) Post phlebitis syndrome?
7. Discuss the etiology, clinical manifestations, management of pyogenic granuloma
8. Discuss common causes and management of alopecia
9. a) Risk factors of malignant melanoma b) Name the precursor lesions c) Clinical features of superficial spreading melanoma d) Effects of pregnancy on melanoma
10. Discuss the pathology, clinical features and management of dermatomyositis



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Paper- III QP Code: P3163

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**LONG ESSAY**

**10 X 10 = 100**

1. a) Point of care therapy in STIs. b) Expedited partner therapy in STIs. c) High risk behavior in STIs. (3+3+4)
2. Classify syphilis. Discuss the clinical features, investigations and management of secondary syphilis. (2+3+3+2)
3. Describe the etiology, pathogenesis, clinical features and management of pseudobubo (1+2+3+4)
4. Discuss the complications of untreated gonorrhoea in male and female patients (10)
5. Discuss the following in context of counseling in HIV/AIDS: a) Basic purpose b) Process of counselling c) Types of counselling d) Counselling in seronegative individuals. (2+3+2+3)
6. Discuss the various methods of transmission of leprosy. (10)
7. a) What is lucios phenomenon? b) Histopathology of lucios phenomenon. c) Histopathology of a lesion of indeterminate leprosy. (4+3+3)
8. Describe the etiology and clinical features of peripheral neuritis. How do you clinically diagnose a case of peripheral neuritis due to leprosy. (7+3)
9. a. Discuss various hand deformities in leprosy. b. Discuss pathogenesis and management of trophic ulcers in Leprosy. (4+6)
10. Discuss the pathogenesis of nerve damage in leprosy. Mention the clinical features of silent neuritis. (7+3)





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**Paper- IV QP Code: P3164**

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**LONG ESSAY**

**10 X 10 = 100**

1. Classify chemical peels with examples. Describe the indications, contraindications, pre-peel and post-peel care of chemical peels. (3+4+3)
2. Discuss the various surgical therapies for vitiligo. (10)
3. a) Define dermatoscope. Describe its parts, principles and techniques of dermatoscopy. b) Describe the commonly observed dermoscopic patterns. (5+5)
4. a) Discuss your approach to a young girl presenting with hirsutism. b) Discuss various therapeutic options available to treat hirsutism. (5 + 5)
5. a) Recent advances in the management of hemangiomas. b) Enlist the syndromes related with capillary malformation. (7+3)
6. a) Biosimilars. b) Discuss one of the biosimilars used frequently in Dermatology. (6 + 4)
7. Define platelet rich plasma. What is the principle and mechanism of action? Discuss the steps involved to produce PRP. Mention the indications of its use in dermatology. (1+2+4+3)
8. a) Enumerate newer antitumoral drugs b) Outline their source and mechanism of actions. c) Briefly mention about their spectrum of activity. (3 + 4 + 3)
9. Use of the following treatments in dermatology: a) Dapsone in immunobullous disorders. b) Hydroxychloroquin in photodermatoses. c) Bone marrow transplant in porphyrias. (5 + 3 + 2)
10. Classify lupus erythematosus. Discuss the clinical features, investigations and treatment of SLE. (2+3+3+2)