

**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

*(A DEEMED TO BE UNIVERSITY)*

**Post Graduate Degree Examination - Apr/May 2019**

**Time : 3 Hrs**

**Max Marks : 100**

**M.D DERMATOLOGY, VENEREOLOGY 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. Discuss the changes which occur during the process of keratinisation in the following layers a) basal layer b) Spinous layer c) Granular layer d) Horny layer
2. Describe the structure, development and function of apocrine glands
3. Discuss a) Role of eosinophils in skin disorders b) Role of complement in skin diseases
4. Discuss the relevance of immunofluorescence microscopy in the diagnosis of dermatological diseases
5. Discuss the differential diagnosis of erythematous eruptions on face
6. a) What are the possible sequelae of exposure to extreme cold situation ? b) What are the normal responses to cold ?
7. a) Types of photoageing b) Pathophysiology of photoageing c) Clinical features of photoageing
8. Discuss different types of interleukins and their role in dermatological diseases
9. Discuss various preparations , Mechanism of action, indications and contra indications of topical vitamin D3
10. a) Classify penicillins b) Discuss the mechanism of action and side effects c) How do you manage a case of anaphylaxis?

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**Paper-II      QP Code: P3162**

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**LONG ESSAY**

**10 X 10 = 100**

1. Discuss the etiology, clinical features and histopathology of lichenoid eruptions
2. How will you manage the following? a) Muscle weakness in dermatomyositis b) Itching in renal disease c) Persistent oral lesions in pemphigus vulgaris
3. Enumerate the childhood histiocytic syndromes . Describe the clinical features of letterer siwe disease
4. Classify cutaneous vasculitis. Discuss etiology, clinical feature and investigations of allergic vasculitis
5. Discuss various sources of UV radiation and normal cutaneous response to UV radiation
6. Discuss dermatologic, psychiatric and pharmacological approach to delusional parasitosis.
7. Discuss the genetic causes of hypomelanosis
8. A. Enumerate the skin diseases caused by corynebacterum B .Write the clinical feature and management of erythrasma
9. a. Make a list of commonly known antioxidants and their sources b. mechanism of action of antioxidants c. indications of antioxidants
10. a. What is vernix caseosa? b. Difference between vernix caseosa of preterm infant and full term infant. c. What is its clinical significance?

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**Paper-III      QP Code: P3163**

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**LONG ESSAY**

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1. Discuss the normal vaginal flora and its definite mechanism in various diseases. ( 4+ 6 )
2. Discuss a) Charcot s joint b) Clutton s joint c) Hutchinson s triad ( 3+3+4 )
3. a.Discuss lymph node involvement in various sexually transmitted diseases. b. Outline the difference between "Inflammatory" and Climatic" bubo. c.How do you manage chancroidal bubo? (4+4+2)
4. a.HPV vaccines and its indications. b.Write management of syphilis in HIV positive patient. c.Define Prozone phenomenon in syphilis. (4+4+2)
5. Describe the oral manifestations of HIV disease. Summarise lab investigations of HIV. ( 5+ 5 )
6. Discuss the immunology , clinical features , histopathology of mid-borderline leprosy. ( 4+ 3+ 3 )
7. a.Discuss the role of Multi Drug Therapy (MDT) in leprosy. b.What is fixed duration MDT? c.Side effects of MDT in brief d. Enumerate the various newer regimens in leprosy. ( 3+1.5+1.5+ 4)
8. Discuss the clinical features , course and complications of untreated leprosy. (3+ 3+ 4 )
9. Discuss about SAPEL. Describe the Final push strategy of WHO. ( 5+ 5 )
10. Discuss the etiopathogenesis, clinical features and management of acute pelvic inflammatory disease. ( 3+ 3+ 4 )

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

**Paper-IV      QP Code: P3164**

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*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100**

1. Describe the various methods of application of cryogens along with its complications. (10)
2. a) Enumerate various immuno modulators used in treating leprosy and lepra reactions. b) Discuss immunotherapy in leprosy. What is its rationale? (5 + 5)
3. Discuss the principle, procedures, preoperative and postoperative care and complications of tumescent liposuction. (10)
4. A 45 year old patient presents to you for facial rejuvenation. Discuss your approach for managing her under the following heads: 2 a) Counseling b) Medical options c) Surgical options (2 + 4 + 4)
5. Describe the various forms of spa therapy. (10)
6. a) Discuss skin as an endocrinal organ. b) Enumerate the influence of various hormones on skin. (5 + 5)
7. What is nanotechnology? What are the properties of nano-particles? Discuss the applications of nanotechnology in dermatology. Summarise the limitations of nanotechnology. (3+4+3)
8. a) Cutaneous manifestations of obesity. b) Exogenous ochronosis (6 + 4)
9. a) Role of Rituximab in Dermatology b) Non-cultured melanocyte transfer in vitiligo. (5 + 5)
10. How will you manage the following: a) Calcinosis cutis in systemic sclerosis. b) Arthritis of psoriasis. c) Itching of hepatic disease. d) Itching of renal disease. (2 + 4 + 2 + 2)