

DERMATOLOGY & VENEROLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

DVD/D/12/06/I

Attempt all questions in order.
Each question carries 10 marks.

1. a) What is constitutive and facilitative skin color? (3)
b) Describe the fine structure of melanocyte. (3)
c) Write the biochemical steps of melanin synthesis. (4)
2. a) What are the effects of Ultraviolet (UV) radiation on skin in health and diseases? (5)
b) Write short note on Narrow Band UV-B phototherapy. (5)
3. a) Describe sebaceous glands, its distribution, its histomorphology and the composition of sebum. (4)
b) Enumerate the diseases of sebaceous glands. (3)
c) Describe the pathomechanism of acne. (3)
4. Write short notes on :
a) Lines of Blaschko in health and disease. (5)
b) Dermoscopy in alopecias. (5)
5. Describe structure and function of nail apparatus with illustration. (10)
6. a) What is normal epidermopoiesis? (5)
b) What are the various changes in epidermopoiesis in psoriasis? (5)
7. a) What are the tissue smears used in diagnosis of various dermatoses? (5)
b) Describe the steps of slit skin smear in a leprosy patient. (5)
8. a) What is contact hypersensitivity? (3)
b) Describe the procedure of patch test. (3)
c) Enumerate the antigens used in Indian Standard Series for patch test. (4)
9. a) Describe the structure of male urethra. (5)
b) Describe the histopathology of normal oral mucosa. (5)
10. a) What is the principle of randomized controlled trial (RCT)? (5)
b) Why it is important to have adequate sample size in a RCT? (5)

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PAPER – II

Time : 3 hours
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Attempt all questions in order.
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1. a) Enumerate various procedures for treatment of vitiligo. (4)
b) Briefly describe the procedure and advantages of using non-cultured epidermal cell suspension technique. (6)
2. a) Enumerate various types of physical urticaria. (2)
b) Describe the various clinical tests and laboratory tests relevant in establishing the cause of urticaria. (5)
c) Classify anti-histamines available in India. (3)
3. a) Describe pulse therapy and its role in dermatology. (5)
b) What are the various pulse therapy regimens used for pemphigus? (5)
4. Describe actinomycotic mycetoma under the following headings:
a) Etiological agents (2)
b) Histology, microbiology and clinical features (5)
c) Welsh's regimen and its Indian modifications (3)
5. Discuss rituximab under the following headings:
a) Mechanism of action (3)
b) Role in dermatology practice (3)
c) Adverse effects and the measures to manage them (4)
6. a) What are the possible sequelae of exposure to extreme cold situation? (5)
b) What are the normal responses to cold? (5)
7. a) Describe the direct immunofluorescence findings in immunobullous diseases. (7)
b) Enumerate clinical tests and routine laboratory investigations in a case of pemphigus vulgaris. (3)
8. What is acrodermatitis enteropathica? Discuss its clinical features, diagnosis and management. 3+(3+2+2)
9. a) Classify topical formulations with examples. (6)
b) Enumerate various preparation of topical corticosteroids with their potency. (4)
10. a) What are the various clinical presentations of oral lichen planus? (5)
b) What are the general and specific measures for the treatment of oral lichen planus.? (5)

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PAPER – III

Time : 3 hours
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DVD/D/12/06/III

Attempt all questions in order.
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1. a) Enumerate the various pre-malignant conditions of skin. (5)
b) Discuss the histological grading of malignant melanoma. (5)
2. a) Classify porphyrias. (5)
b) Discuss various extra-cutaneous manifestations of Gunther's disease. (5)
3. a) Describe the cutaneous manifestations of malabsorption. (5)
b) Discuss the role of vitamin D in ichthyosiform disorders. (5)
4. a) Describe clinical features and laboratory diagnosis of arsenicosis. (5)
b) Discuss the management of arsenicosis from public health perspective. (5)
5. a) Define dystrophic & metastatic calcification. (2)
b) List important causes of dystrophic & metastatic calcification. (3)
c) What are the extra-cutaneous changes seen with pseudoxanthoma elasticum? (5)
6. What is acute skin failure? Discuss its causes, complications and principles of management. 3+(3+2+2)
7. a) What is photodynamic therapy? (5)
b) Discuss its mechanism and various indications in dermatology. (5)
8. Discuss various types of graft-vs-host diseases. (10)
9. Discuss various presentations of psoriatic arthropathies. (10)
Discuss the role of TNF inhibitors in psoriasis.
10. Discuss the psychosocial aspects of vitiligo and its measurement. (10)

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PAPER – IV

Time : 3 hours
Max. Marks : 100

DVD/D/12/06/IV

Attempt all questions in order.
Each question carries 10 marks.

1. Write short note on clofazimine in leprosy. (10)
2. Describe the pathogenesis of nerve damage in leprosy. (10)
3. a) Discuss newer short term regimens in leprosy. (6)
b) What are the concerns of fixed duration treatment of leprosy? (4)
4. a) Discuss current status of leprosy in India. (5)
b) Describe the challenges of leprosy eradication in India. (5)
5. Discuss the classification and clinical features of congenital syphilis. (10)
6. Write short note on:
a) Post exposure prophylaxis. (5)
b) Immune Reconstruction Inflammatory Syndrome (IRIS) in HIV. (5)
7. Define bacterial vaginosis. Discuss its etiopathogenesis and criteria for diagnosis. (10)
8. Define counseling. Discuss the components of pre and post test counseling. (10)
9. a) List AIDS related malignancies. (5)
b) What are the impacts of pregnancy on viral STIs? (5)
10. Discuss syndromic approach for genital ulcer. (10)
