DERMATOLOGY, VENEREOLOGY & LEPROSY

PAPER – I

Time : 3 hours
Max. Marks : 100

Important instructions:

• Attempt all questions in order.
• Each question carries 10 marks.
• Read the question carefully and answer to the point neatly and legibly.
• Do not leave any blank pages between two answers.
• Indicate the question number correctly for the answer in the margin space.
• Answer all the parts of a single question together.
• Start the answer to a question on a fresh page or leave adequate space between two answers.
• Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Shape of lesions with one example each. 2+2+2+4
   b) Arrangement of lesions with one example each.
   c) Distribution of lesions with one example each.
   d) Four cutaneous signs.

2. a) Microanatomy of nail 3+4+3
   b) Physiology of nail
   c) Draw labeled diagram of nail

3. a) Special techniques in processing of biopsy specimen. 4+4+2
   b) Utility of special techniques in arriving at diagnosis in hair disorders.
   c) Cutaneous deposits.

4. a) Describe methods for measuring sebaceous activity and sebum production. 4+6
   b) Enumerate various hormones affecting sebum secretion.

5. a) What is human genome? 3+7
   b) Important Mendelian disorders of skin with pedigree charting.

6. a) Mechanisms of autoimmune blistering diseases. 5+5
   b) Outline the pathogenesis of systemic sclerosis.

7. a) Name various topical and intralesional cytotoxic agents. 4+6
   b) Give various indications of their use in dermatology.

8. a) Expression pattern of keratin genes. 4+3+3
   b) Keratin gene associated diseases.
   c) List diseases resulting from disruption of dermasomal protein.

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9. a) Name the lymphocytes in adaptive immune response. 2+4+4
   b) Classify types of T-Lymphocytes.
   c) Enlist the various immunohistochemical markers for T-lymphocytes.

10. a) Give a brief outline of oncogenes, 2+2+2+4
    b) Tumor suppressor genes,
    c) Viral carcinogenesis &
    d) Name various chemicals involved in carcinogenesis.

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