

**DERMATOLOGY, VENEREOLOGY AND LEPROSY****PAPER-I**Time: 3 hours  
Max. Marks:100

DVD/D/20/06/I

**Important Instructions:**

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- 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) Draw a labelled diagram of dermo-epidermal junction. 5+5  
b) Discuss differential diagnosis of disorders with sub-corneal split.
2. a) Stem cells and their properties. 3+3+4  
b) Cutaneous stem cells.  
c) Role of cutaneous stem cells in the regeneration of other tissues.
3. a) Case control study vs Cohort study. 4+2+4  
b) Sample size determination.  
c) Types of sampling.
4. a) Describe histology of normal oral mucosa. 4+4+2  
b) Palisading granulomatous reaction.  
c) Histopathology of acne rosacea.
5. a) Describe skin as an endocrine target. 6+4  
b) Vitamin D synthesis in skin.
6. a) Antimicrobial peptides. 3+3+4  
b) Mast cell.  
c) Adhesion molecule.
7. a) Neurophysiology of itch. 6+4  
b) Enumerate mediators of itch and their corresponding anti-itch agents.
8. a) Outline principles of wound healing. 4+3+3  
b) Factors responsible for abnormal wound healing.  
c) Novel therapies in wound healing.

**P.T.O.**

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9. a) Prenatal diagnosis of Genodermatoses. 4+6  
b) Differential diagnosis of Genodermatosis associated with photosensitivity.
10. a) Role of trichoscopy in hair shaft disorders. 4+3+3  
b) Photo patch test.  
c) Hair pull test.

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