

**DERMATOLOGY, VENEREOLOGY & LEPROSY**

**PAPER-I**

DVD/D/18/06/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) Draw a labelled diagram to show the structure of hair. 3+4+3  
b) Write a note on hair cycle with the use of a labelled diagram.  
c) Classify the causes of scarring alopecia of scalp.
2. a) Mast cells. 4+3+3  
b) Classify cutaneous mastocytosis.  
c) List out the potential stimuli for mast cell degranulation.
3. a) Epidermolytic hyperkeratosis. 5+5  
b) Acantholytic dyskeratosis.
4. a) Functions of the skin. 2+5+3  
b) Skin failure and its complications.  
c) Conditions associated with skin failure.
5. a) Anatomy of female genitalia. 3+4+3  
b) Lymphatic drainage of female genitalia.  
c) Vaginal microflora.
6. a) Draw a labelled diagram to show the structure of Human Immunodeficiency Virus. 5+5  
b) Elaborate the viral replication and life cycle of HIV in the human host.
7. a) Epidermal cornification. 5 +5  
b) Epidermal melanin unit.
8. a) Normal physiological appearance seen in neonatal skin 5+5  
b) Etiology of pustular eruptions in neonates.

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|-----|---|-----|
| 9.  | a) Physiology of wound healing.   | 6+4 |
|     | b) Wound dressings.   |     |
| 10. | a) Elaborate the pathway of haem biosynthesis showing the enzyme deficiency associated with each porphyria. | 6+4 |
|     | b) Mention the pathophysiology of skin disease in porphyria.  |     |

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