

DERMATOLOGY, VENERELOGY AND LEPROSY

PAPER – I

DVD/D/15/06/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. Immunofluorescence in vesico-bullous disorders:		
a) Principle of immunofluorescence.		3
b) Patterns in different immunobullous disorders.		4
c) Limitations of direct immunofluorescence and indirect immunofluorescence.		3
2. Melanin synthesis and pigmentation under the following headings:		
a) Steps of melanin synthesis in normal skin.		3
b) Pathogenesis of vitiligo.		4
c) Pathogenesis of melasma.		3
3. Somatic mosaicism in relation to:		
a) Definition and types of somatic mosaicism.		2+4
b) Enumerate dermatologic disorders related to mosaicism.		4
4. a) Enumerate the layers of dermoepidermal junction with schematic diagram.		3
b) Important antigenic components of this area and related disorders in brief.		5
c) Principle of salt split technique and enumerate the situations where it is applicable.		2
5. a) Structure and histopathology of eccrine sweat glands.		3
b) Composition of sweat.		3
c) Nerve supply of eccrine sweat gland.		2
d) Pathological changes of miliaria rubra .		2
6. a) Structure of Treponema pallidum.		3
b) Laboratory diagnosis of primary syphilis in research laboratory of resource rich setting.		5
c) Prozone phenomenon.		2
7. Role in Dermatology of:		
a) Dermascopy.		4
b) Teledermatology.		3
c) Photography.		3
		P.T.O.

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8.	a) Pathophysiology of pruritus.	4
	b) Classify antihistaminic drugs.	3
	c) Patho-mechanism of dermatographic urticaria.	3
9.	a) Write composition of calamine lotion.	3
	b) Enumerate the side effects of systemic corticosteroids and describe the bony changes in details.	7
10.	a) What do you understand by the term annual case detection rate in leprosy and how does it differ from prevalence rate?	4
	b) What are the various methods of randomization in an interventional study?	6
