

FINAL EXAM
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

DERMATOLOGY, VENEREOLOGY 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. b) Patterns in different immunobullous disorders. c) Limitations of direct immunofluorescence and indirect immunofluorescence.	3 4 3
2.	Melanin synthesis and pigmentation under the following headings: a) Steps of melanin synthesis in normal skin. b) Pathogenesis of vitiligo. c) Pathogenesis of melasma.	3 4 3
3.	Somatic mosaicism in relation to: a) Definition and types of somatic mosaicism. b) Enumerate dermatologic disorders related to mosaicism.	2+4 4
4.	a) Enumerate the layers of dermoepidermal junction with schematic diagram. b) Important antigenic components of this area and related disorders in brief. c) Principle of salt split technique and enumerate the situations where it is applicable.	3 5 2
5.	a) Structure and histopathology of eccrine sweat glands. b) Composition of sweat. c) Nerve supply of eccrine sweat gland. d) Pathological changes of miliaria rubra .	3 3 2 2
6.	a) Structure of Treponema pallidum. b) Laboratory diagnosis of primary syphilis in research laboratory of resource rich setting. c) Prozone phenomenon.	3 5 2
7.	Role in Dermatology of: a) Dermascopy. b) Teledermatology. c) Photography.	4 3 3
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8.	a) Pathophysiology of pruritus. b) Classify antihistaminic drugs. c) Patho-mechanism of dermographic urticaria.		4 3 3
9.	a) Write composition of calamine lotion. b) Enumerate the side effects of systemic corticosteroids and describe the bony changes in details.		3 7
10.	a) What do you understand by the term annual case detection rate in leprosy and how does it differ from prevalence rate? b) What are the various methods of randomization in an interventional study?		4 6

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