

**M.D. DEGREE EXAMINATION  
BRANCH XX – DERMATOLOGY, VENEREOLOGY AND LEPROSY  
APPLIED BASIC SCIENCES  
Q.P. Code : 202093**

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.  
Write Section A and Section B Separately.**

**SECTION A  
DERMATOLOGY AND LEPROSY**

**Write notes on**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
<b>I. ANATOMY</b>			
1. Write about applied anatomy of Epidermal melanin unit	3	9	5
2. Write a note on anatomy of Muscles of the skin.	3	9	5
<b>II. PHYSIOLOGY</b>			
1. Write about Types of sweating and their importance.	3	9	5
2. Describe Merowsky phenomenon.	3	9	5
<b>III. BIO-CHEMISTRY</b>			
1. Skin an endocrine target-explain.	3	9	5
2. Write about the actions of Serotonin in realtion to skin.	3	9	5
<b>IV. PATHOLOGY</b>			
1. Write about Histopathology of various types of leprosy.	3	9	5
2. Define Psuedo epitheliomatous hyper plasia. Mention the conditions associated with it .	3	9	5
<b>V. PHARMACOLOGY</b>			
1. Write about non anti-histamine therapy of urticaria	3	9	5
2. Mention the side effects of topical steroids	3	9	5
<b>VI. MICROBIOLOGY</b>			
1. Explain about immunology of leprosy.	3	9	5
2. Write short notes on lab diagnosis of fungal infections.	3	9	5

**SECTION B  
VENEREOLOGY**

**I. ANATOMY**

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|--|---|---|---|
| 1. Draw and describe the Lymphatic drainage of female genitalia. | 3 | 9 | 5 |
| 2. Write about Tyson's glands.                                   | 3 | 9 | 5 |

**II. PHYSIOLOGY**

- |   |   |   |   |
|---|---|---|---|
| 1. Explain with diagram the Pathway of Accomodation reflex. | 3 | 9 | 5 |
| 2. Write about Cytokines.                                   | 3 | 9 | 5 |

**III. BIO-CHEMISTRY**

- |  |   |   |   |
|--|---|---|---|
| 1. Describe Colloidal gold curve and its significance. | 3 | 9 | 5 |
|--|---|---|---|

**IV. PATHOLOGY**

- |  |   |   |   |
|--|---|---|---|
| 1. Explain the role of Papanicolaou stain in Sexually transmitted disease. | 3 | 9 | 5 |
|--|---|---|---|

**V. PHARMACOLOGY**

- |  |   |   |   |
|--|---|---|---|
| 1. What is Podophyllin? Explain the mechanism of action, mode of application, uses and adverse effects of Podophyllin. | 3 | 9 | 5 |
|--|---|---|---|

**VI. MICROBIOLOGY.**

- |   |   |   |   |
|---|---|---|---|
| 1. Describe about the culture medium for trichomonas vaginalis. | 3 | 9 | 5 |
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