CONTENTS

CHAPTER I: 1-38
INTRODUCTION

Review of literature on leprosy .. 1
Aetiology .. 8
Pathology of leprosy .. 23
Histopathology .. 29
Review of histochemistry of leprous lesions. .. 35
OBJECT AND SCHEME OF PRESENT INVESTIGATION 38

CHAPTER II: 39-90
TECHNIQUES ..

I. Histological techniques .. 39
II. Histochemical techniques .. 47

1. Methods for the detection of lipoids .. 50
2. Methods for the detection of carbohydrates .. 64
3. Methods for the detection of enzymes .. 71
4. Methods for the detection of proteins .. 79
5. Other methods .. 88
CHAPTER III:  
STUDY OF LEPROMATOUS leprosy  
Material  
Histological observation  
Histochemical observation  
Discussion  
Page.  
91-103. 
91. 
92. 
94. 
98. 

CHAPTER IV:  
STUDY OF TUBERCULOID leprosy  
Material  
Histological observation  
Histochemical observation  
Discussion  
104-110. 
104. 
104. 
106. 
108. 

CHAPTER V:  
CYTOCHEMICAL PATTERN OF MYCOBACTERIUM lepraE  
Observation  
Discussion  
111-118. 
111. 
114. 

CHAPTER VI:  
THE TISSUE MAST CELL IN leprosy  
Material  
Histochemical observation  
Discussion  
119-128. 
119. 
119. 
122. 

CHAPTER VII:  
SYNOPSIS  
Page.  
129. 

ACKNOWLEDGMENT  
REFERENCES  
APPENDICES