

## CONTENTS

LECTURE I	PAGE
History. Site Exploration. Soil Classification. The Nature of Clays and Sands. Atterberg Index Tests. Sensitivity of Clays to Remoulding.	11
LECTURE II	
Densities. Seepage. Flow Nets. Filters. Consolidation.	34
LECTURE III	
Shear Strength. Stability of Slopes. Stability of Retaining Walls. Stability of Footings.	53
LECTURE IV	
Stabilisation. Natural Stabilisation : Surface Deposits—Compaction. Deep Deposits—Drainage—Vibration. Artificial Stabilisation : Surface Deposits—Mixing Soils to Improve Grading—Soil Cement—Waxed Fuel Oil. Deep Deposits—Cement Grout—Sodium Silicate—Freezing—Electro-osmosis. Pavement Design for Roads and Runways—Westergaard's Analysis—C.B.R. Method. Frost Action.	81
BIBLIOGRAPHY	106
AUTHOR INDEX	111
SUBJECT INDEX	112