

PREVALENCE OF HEPATITIS B VIRUS
In Rural Area In Egypt
(Manzala Dakahlia)



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M. Sc General Medicine



Thesis
Submitted In Partial Fulfilment
of M. D.
(General Medicine)

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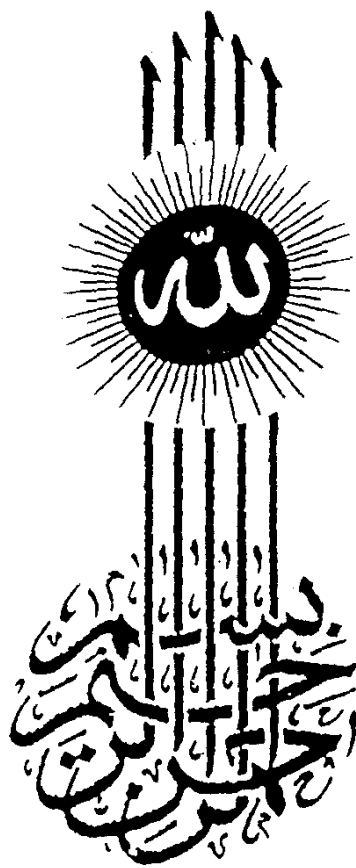
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LIST OF ABBREVIATIONS

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AIDS	: Acquired immune defeciciency syndrome.
AP	: Alkaline phosphatase.
CMV	: Cytomegalovirus.
CPH	: Chronic persistent hepatitis.
DNA	: Deoxy-riboneucleic acid.
EBV	: Epstein-Barr virus.
ELISA	: Enzyme-Linked Immunosorbent Assay.
gr & G	: Group.
HBcAb	: Hepatitis B core antibody.
HBeAb	: Hepatitis B e antibody.
HBIG	: Hepatitis B immunoglobulin.
HBV	: Hepatitis B virus.
HLA	: Human leukocyte antigen.
HBsab	: Hepatitis B surface antibody.
Ig	: Immunoglobulin.
RIA	: Radio-immunoassay.
RNA	: Ribonucleic acid.
SGOT	: Serum glutamic oxalacetic transaminase.
S, \$. & Sch	: Shistosomiasis
SGPT	: Serum glutamic pyruvic transaminase.
-ve	: Negative.
+ve	: Positive.

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Fig. I

Map of Lower of Egypt

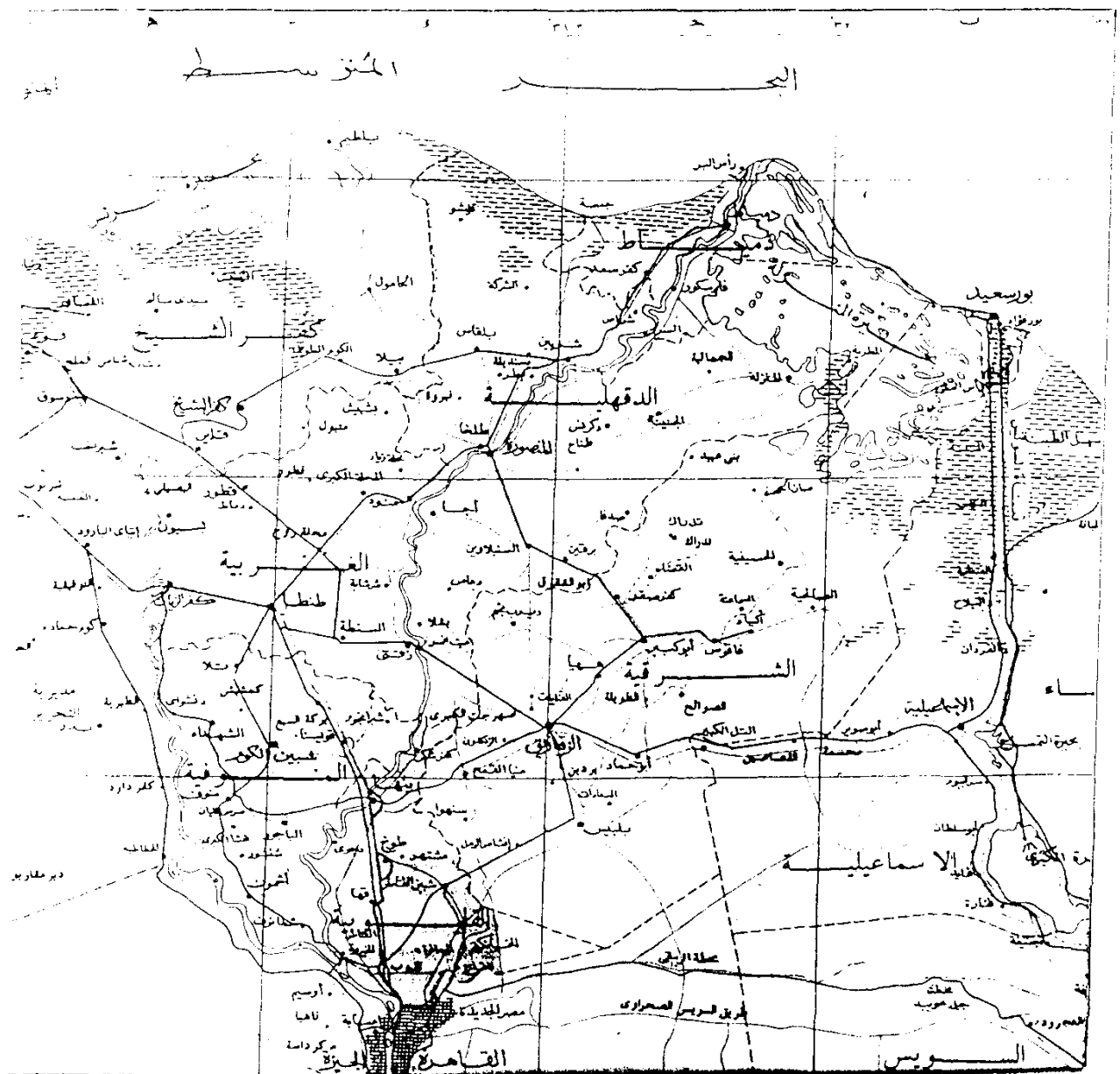
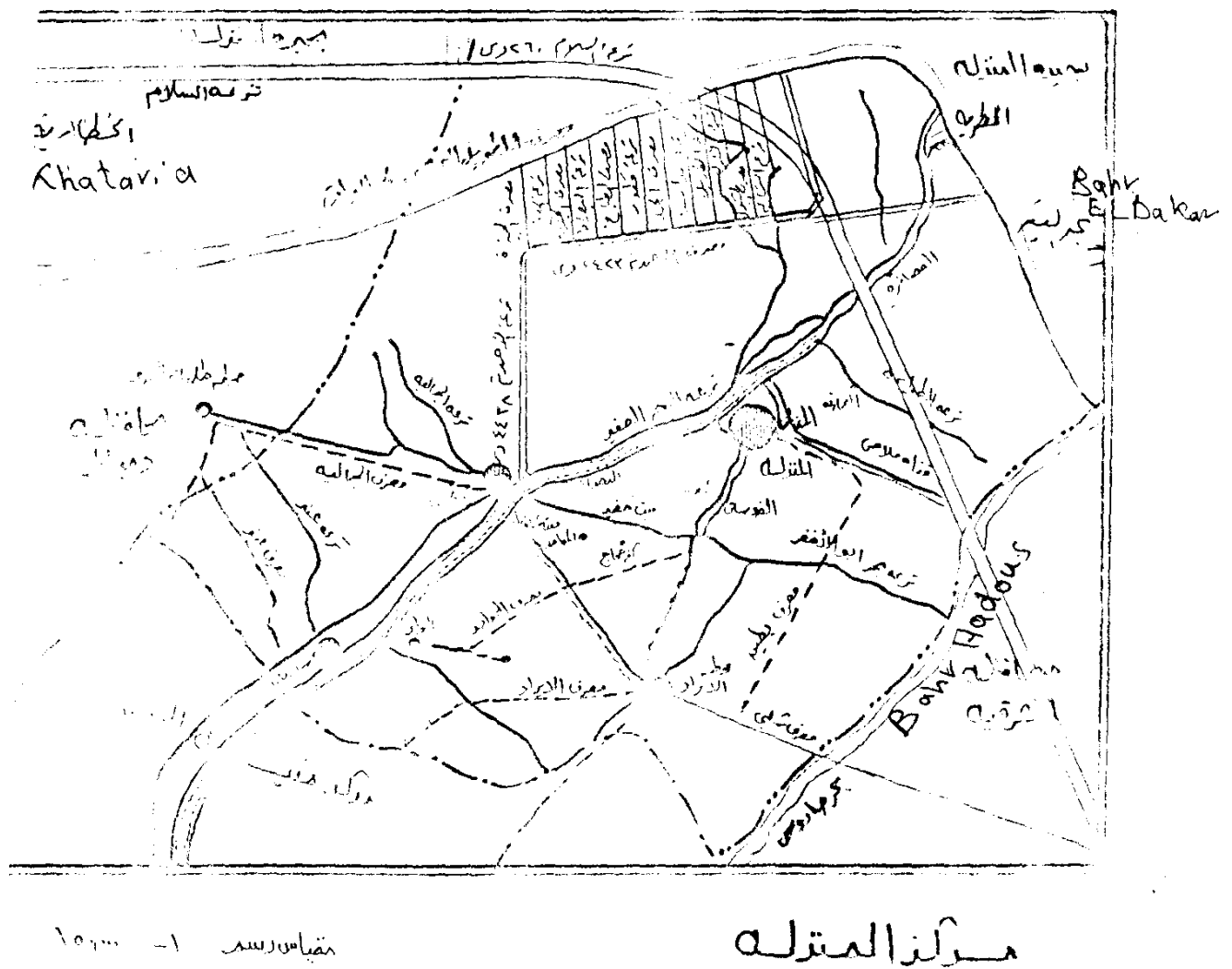


Fig. 2

Map of Manzela



PREFACE

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Manzala district is located in the north east of Egypt in Dakahlia Governorate and in the south west of lake Manzala. In the present census its dwellers are approximately estimated at 600.000, according to the population statistics in 1987.

The majority of its people are farmers whereas, the government officials and fishermen are in the minority. Naturally most people in Manzala zone are in one way or another associated with its lake. This is because some farmers do fishing as well as farming during the day.

Manzala zone is famous for its fertile muddy land having the system of submerged irrigation all the year round with the result that rice is grown there as it needs a large amount of water.

As for its drainage system,, the water takes a time to flow from the small connected channels to its mouth in lake Manzala through main drains.

As for the area of Lake Manzala. it is approximately estimated at 350.000 feddans. Once the lake was joined by the Mediterranean sea through five sea gates providing it with sea water and fish which multiply quickly as a result