

Indiana University

Graduate School

To all who may read these letters, Greeting:
hereby it is certified that upon the recommendation of the Faculty,
the Trustees of Indiana University have conferred upon

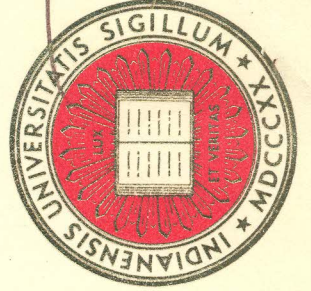
Omar Zuhair Hafiz

the degree of

Doctor of Philosophy

in recognition of the fulfillment of the requirements for this degree.

In Witness Whereof, this diploma is given at
Bloomington, Indiana, July 31, 1981.



Leo F. Solt
Dean

Robert E. Burton
Secretary of The Trustees

Attest:

[Signature]
President
Keneth R. Gro Louis
Vice President