

# INDIAN STATISTICAL INSTITUTE

Form for submission of a soft copy of Ph.D. thesis (final version) by the research scholar to ISI Library after successful completion of Viva-voce

(Duly filled and signed form to be submitted by Research Fellow to the Ph.D./D.Sc. Cell)

DECLARATION (to be signed by the candidate)

I, Arghya Chongdar, herewith submit the final version of my Ph.D. thesis (soft copy) titled:  
C\*-Extreme Quantum Instruments; Completion and Disintegration of Completely Positive Maps.

to the Library of Indian Statistical Institute. I understand that the final copy of my Ph.D. thesis will be publicly available in the Institutional Digital Repository (IDR). I have no objection to the same.

*Arghya Chongdar 02/06/2026*

Signature of the Research Fellow with date

*[Signature]*  
02/06/2026

Signature of Supervisor with date

## CERTIFICATE FROM ISI LIBRARY

This is to certify that Mr./Ms. Arghya Chongdar of Theoretical Statistics & Mathematics Unit under Ph.D./D.Sc. Committee (Statistics / Mathematics / Computer Science / Quantitative Economics / QR&OR) has submitted a copy (soft) of his/her Ph.D. thesis for uploading in the Institutional Digital Repository (IDR) of ISI.

Date: 03/06/26

*[Signature]* 03/06/26

Signature & Designation of ISI Library Authority

NB: - Thesis Number: TH686

डॉ. तपन कुमार मंडल / Dr. Tapan Kr. Mandal

उप. पुस्तकालयाध्यक्ष / Deputy Librarian

[ Format: PhD / Comp. Yr./Reg. Yr./Entry Yr. / Discipline (STAT/MATH/COMP/QECO/QROR) / Thesis No.]

INDIAN STATISTICAL INSTITUTE

203, बी. टी. रोड / 203, B. T. Road

कोलकाता / Kolkata-700108