

CERTIFICATE

It is certified that the work contained in the thesis titled “*STUDIES ON SOME STATE DEPENDENT BULK SERVICE QUEUES WITH BALKING OR QUEUE LENGTH DEPENDENT VACATION*” by **GOPAL KUMAR GUPTA** has been carried out under our supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

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