

CONGRUENCES FOR SOME PARTITION  
FUNCTIONS BY USING DISSECTIONS OF  
 $q$ -PRODUCTS AND RAMANUJAN'S THETA  
FUNCTIONS

A THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY

Zakir Ahmed  
Enrolment No. MSP12101



DEPARTMENT OF MATHEMATICAL SCIENCES  
SCHOOL OF SCIENCES  
TEZPUR UNIVERSITY, NAPAAM-784028, ASSAM, INDIA

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