Certificate

This is to certify that *Ms. Meera H. Chudasama* has worked under my guidance for her Ph.D. Thesis work in the subject of Mathematics on the topic entitled

"A NEW CLASS OF SPECIAL FUNCTIONS SUGGESTED BY THE GENERALIZED HYPERGEOMETRIC FUNCTION AND ITS q-ANALOGUE"

and has put in research for the requisite number of terms as required by the University. This thesis is being submitted herewith for the award of degree of

Doctor of Philosophy

in

Mathematics

and, to the best of my knowledge, no part of this thesis has been submitted by her to any other University or Institution for the same or any other degree.

Vadodara,

September, 2016

Dr. B. I. Dave

(**Guide**)

Associate Professor

Department of Mathematics

Faculty of Science

The M. S. University of Baroda

Vadodara-390002

Forwarded through:

Head

Department of Mathematics

Dean

Faculty of Science

Certificate

This is informed to all concerned that the following publications have arisen out of the research work carried out by my Ph.D. student *Ms. Meera H. Chudasama* who wishes to submit the thesis entitled "**A NEW CLASS OF SPECIAL FUNCTIONS SUGGESTED BY THE GENERALIZED HYPERGEOMETRIC FUNCTION AND ITS q-ANALOGUE**" to the Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D. degree in Mathematics.

1. A new generalization of q-hypergeometric function, *Boll. Unione. Mat. Ital.*, **8**(4), (2016), 239-256.
   DOI: http://link.springer.com/article/10.1007/s40574-015-0041-1

2. Some new class of special functions suggested by the confluent hypergeometric function, *Annali dell'Universita' Di Ferrara*, (2016), **62**(1):23-38.
   DOI: http://link.springer.com/article/10.1007/s11565-015-0238-3

Vadodara,   *Dr. B. I. Dave*

September, 2016   (**Guide)**
                                                   Associate Professor
                                                   Department of Mathematics
                                                   Faculty of Science
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