Acknowledgements

Mathematics is a very important subject in our school curriculum. In 21st century our society is moving in to a technological era where traditional mathematics is not sufficient. The role of mathematical creative persons for the continued growth of word is indispensable. Mathematical creativity is a very important area of mathematics education which needs more attention. In the present study the researcher has made effort to know the mathematical creativity of CBSE and UP board students with reference to their academic climate, style of learning and thinking. This work is not the result of one man isolated hard work; it's mainly a collaborative work. This thesis wouldn't have become what it is today if it wasn’t for my supervisor Dr. Sunil Kumar's palm. He has supported me throughout the years and every time I got stuck in one or another way. I have always felt that they had time to talk to me, especially this summer, when I called at the most odd hours. Many of the ideas presented or investigated in the following papers have sprung out of joint discussions, some are mine, some were placed at my disposal, but most are probably the result of us having a good time.

I am extremely thanks to Professor S.C. Agrawal, C.S.I.M. University Kanpur for giving me inspiration and well-needed guidance in this work. I am also thankful to Dr. Vijay Jayswal sir who assisted me at various stage of work. There is one person who also, has made this thesis possible, Shri Kunj Bihari lal Nigam If it wouldn’t have been for his support with travels in the beginning of my studies. I wouldn’t be able to accept the offer to start this Ph. D. education. In this regard my humble thanks goes to Dr. Vijay Jauhari Sir Associate Professor and Head department of English, D.S.N. P.G. College Unnao for his Kind consideration and help to complete this work. I am also grateful to Shri Laxman Singh Sengar sir for his language related help and inspiration.

I would like to thank Dr. S.S. Kushwaha, Principal Sardar Patel Institute of Technology Bulandshahr. Deep gratitude is directed to the Principal Dr. K.P. Singh and colleagues of D.P.B.S.P.G. College Anoopshahr and especially to Dr. Shailendra Singh and Dr. Jitendra Singh, Dr. Sudha Upadhyaya, Dr. K.C. Gaur, Dr. Sunita Gaur and Er. Jay Kant.
Upadhyaya, Mr. K.K. Shrivastava who assisted me in every difficulty and always inspired me to complete my research work during the study.

I am extremely thankful to my all friends, classmates who always asked the progress report of my research and helped to remove all the hurdles in its field, especially I am thankful to my friend Mr. Nrapendra Veer Singh and Dr. Dinesh Singh, Mr. Mahesh Gupta, Mr. Amit Mishra and all those persons who have directly or indirectly assisted me to carry out this work.

Throughout these years I have been moving around and as a consequence I have had the opportunity to get to know different departments. I would like to thank all the principals of colleges who allowed involving their students as sample in the study for data collection of this research.

Finally, and with my deepest gratitude. I would like to dedicate this thesis to my family. both my large family, my late father, mother, all my sisters and my in-laws, brothers. I would like to thank to my younger brother Yashwant kumar and my both lovingly and naughty sister Suchita and Kanchan, but especially to my late father who has always provided me the facilities beyond his limit and always encouraged me to do some unique work.

SANJAY KUMAR SHARMA