DECLARATION

I, Mrs. Jyoti S. Job. (maiden name Jyoti S. Washington) M. Sc., solemnly declare that with the exception of guidance and suggestions received from my supervisor Dr. V. K. Saxena, M. Sc. (Agra), D. Phil (Alld.) D. Sc. (Saugar), F. I. C. Reader, Department of Chemistry, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M. P.), the work incorporated in the thesis is original and is the outcome of my own efforts.

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