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CERTIFICATE BY THE Ph. D. SUPERVISOR

*This is to certify that the contents of this thesis entitled “**Synthesis, crystal structure, low temperature magnetic behavior and biological activity of Schiff base coordinated poly-nuclear Cu(II) complexes**” is the original research work of **Mr. Aparup Paul**, carried out under my supervision in Vidyasagar University, Midnapore, West Bengal, India.*

Further, I hereby certify that the work has not been submitted either partly or fully to any other University or Institution for the award of any degree.

(Dr. Subal Chandra Manna)

(Signature of the sole supervisor & date with official seal)