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Certified that

Sri Raibatak Sen Gupta

was admitted to the Degree of Boctor of Philosophy in Science University on 19.07.2017 and that the degree was conferred on him her at the Convocation held in December 2017 with all the Rights and Privileges thereto appertaining.

Witness whereof the Signature of the Vice-Chancellor Indupur University is hereunto affixed.

JADAVPUR UNIVERSITY

The 24th December, 2017

