

VIDYASAGAR UNIVERSITY



This is to certify that

Sandip Kumar Giri

obtained the Degree of Doctor of Philosophy in Physics

under the Faculty of Science of this university
on 15.05.2019 in accordance with the provisions of the Ph. D.
Regulations, 2009 of the UGC.



Midnapore



R. C.
Vice-Chancellor

Dated: 29 SEP 2019