

Roll No. 3761



Panjab University

Doctor of Philosophy

(In the faculty of Science)



Certified that **Gaganpreet Kaur Sidhu**, Regd. No. **10-phy-93**

daughter of **Shri. Baldev Singh Sidhu**, and of the **Punjab State**, has obtained the degree of **Doctor of Philosophy** of this University on the result of the examination held in **2017**.

Given under the seal of the University

Ranjit

Controller of Examinations

Harman

Registrar



Harman

Misc Chancellor

Mandi

Chancellor