

**Dr. Nand Lal Sir**

**Residence**

Ph. D., P. D. F. (Moscow)

Ex-Reader and Head

Department of Mathematics

T. D. P.G. College, Jaunpur



681/B, Indira Nagar

Kharaka, Jaunpur

Mobile – 9451922898

Ref. : \_\_\_\_\_

Date : \_\_\_\_\_

## **Certificate**

I hereby certify that *Arun Kumar's* thesis entitled "*Study of Magnetohydrodynamics Shock Waves in Gases*" submitted to the V. B. S. Purvanchal University, Jaunpur (U. P.) for the award of the Ph. D. degree in Mathematics is a bonafide research work carried out under my supervision and that the candidate has worked for the prescribed period under clause 7 of the University ordinance.

**Forwarded by**

(Dr. G. C. Chaubey)

**Head**

Department of Mathematics

T. D. Postgraduate College,

Jaunpur – 222002 (U. P.)

(Dr. Nand Lal Singh)

**Supervisor**

ex-Reader and Head

Department of Mathematics

T. D. Postgraduate College,

Jaunpur – 222002 (U. P.)

(Dr. U. P. Singh)

**Principal**

T. D. Postgraduate College,

Jaunpur – 222002 (U. P.)