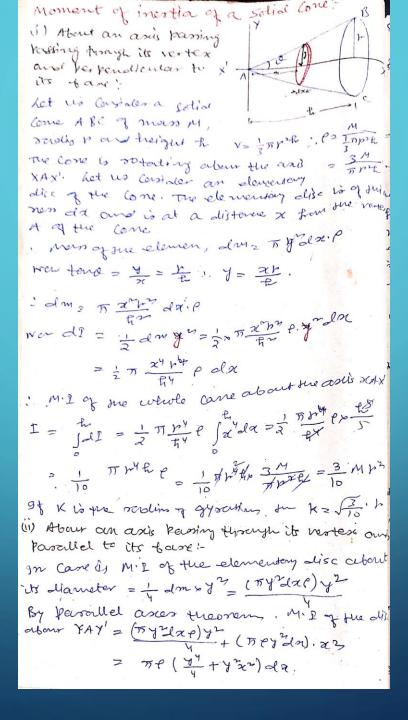
Topic: Classical mechanics (Moment of Inertia)

Course: B.Sc/ Physics

Dr. Rajesh Kumar Neogy Assistant Professor, Physics M. L. Arya College, Kasba Purnea University, Purnia, Bihar



Short = 70 ( 24/14 + 24/103) da 31 = JdI = JTP e ( 2/24 + 2/22) dx = 50 [ my ( ts) + m2 ( ts) ]= 50 ( m2 + t2)  $= \pi \times \frac{3M}{\pi r^2 h} \times \frac{4r^2 \left(r^2 + h^2\right)}{5} = \frac{3M}{5} \left(r^2 + h^2\right).$ ~ I = MK2 3M ( 12+42) ~ K= \ 3 ( 1/2+42) Hence, the grandient of a scarlar field is a neckn field, the neeter ext any point having a morgriphole equal to the mernimum scate of is peopendicular to the sentace & = constant.

## FOR ANY QUERIES FEEL FREE TO CONTACT ME AT EMAIL: RAJESH.NEOGY@GMAIL.COM

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**Thanksss**