In a spherical region, the density varies inversely with the distance from the cent Gravitational field at a distance r from th centre is:

A Proportional to r

- **B** Proportional to $\frac{1}{r}$
- C Proportional to $\frac{1}{r^2}$

D same everywhere

Solution

O
$$\int \alpha \int (Griven)$$

Let , $\int = \frac{R}{A}$
 $\frac{dM}{dV} = \frac{R$