7.1 Force on a worky of Hatler

Necron, get of the course of the sealth in a state of the same and to the sealth of th

to charge its state, either as lest, or as uniform mation in a right line.

mertial mass: "grantity of matter", constant at proportionality inhabled to detrine magnitude of

ज्याव

-o Take standard mass, and staded body.

Apply a bace, inducing code. It'l

IFI is defined IFI = m, 121, and the direction of Fis defined as the direction of 2.

mess celibration

. Lord Lands Line is Insellib beaudid , bod , bod of word to the sallib land is and defined an

- ue could apply the same boro to distribe the dies and adulted the matter in terms of the

the started bady

mess thus meesused is called inertial mess

7.3 Hamentum, Newton's Second au Third Laws

Def (Quantily of Hotion, Mamentum): $\vec{p} = m\vec{v}$

inethal mass

Hewton's second Law

- charge at makin is proportional to the mative tora implessed, only made in the direction of the
- · Suppore Force applied to a body for interval At

Impressed two or impute produces change in mamorium at the bad-

instantaneous action of the total bara at time t

it mass is constant in time, F. m di. ma

" existing the mation