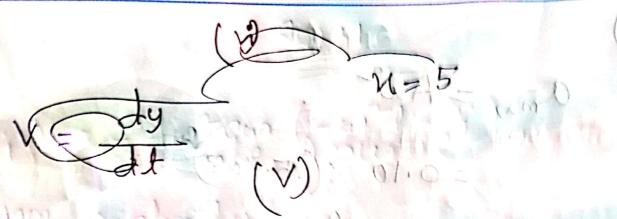
Tawhidul Inlam Phy 105 Sub: 011192118 Physica Time: Am to the ann No: 16 = 2.5 1/6 = 2 大星 = 2 / (2.5) = 15.708 read/s 21 A = 27 (0.10 m) 1.571 m/s

(iii)

$$m\alpha = kn$$

$$k = \frac{mq}{n}$$



$$E = \frac{1}{2} \times 0.006180 \times (0.10)^{1}$$

$$= 15.708 \sqrt{(6.10)^2 - (5)^2}$$

$$= 15.708 \sqrt{-24.99} \text{ m/s}$$

ann 5 Arcon con-1 (=) T (75.52) 12.019T

Day				
Time:	Date:	1	1	

am : 1

NOW, Velocity.

Now accelenation

$$v = \frac{du}{dt}$$

$$= A w^4 Sin(w^2 t)$$

$$a = \frac{d^2u}{dt^2} = Aw^8 con(w^4 t)$$

ann: 2 waver) Of Borrehold Acountic SHM. am: 4 Pressule wave B 1/87

Onn: 2

- i) reotational of
- ii) SHM.

Om: 9:

li

 $0 = 0, \frac{\pi}{2} A$ 0 = 0 0 = 0 0 = 0 0 = 0 0 = 0 0 = 0 0 = 0 0 = 0