Non-linear oscillations
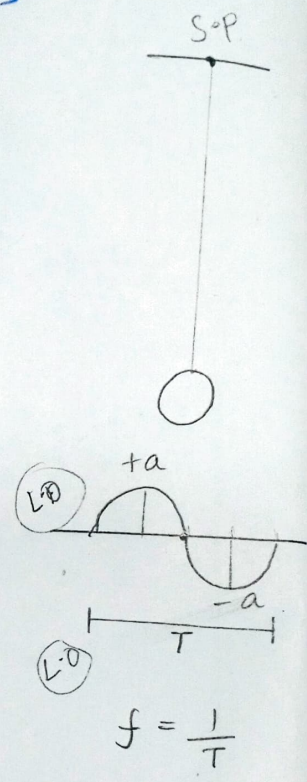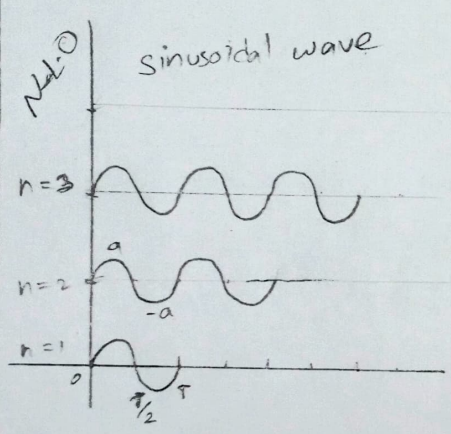
$$f_n \propto \frac{1}{T_n}$$

$$T_n = T/n$$

where, $n = 0, 1, 2, \ldots$

$$f_n = \frac{1 \cdot n}{T}$$

$$f_n = n/T$$

S.P

+a

$L\cdot 0$

-a

T

$L\cdot 0$

$$f = \frac{1}{T}$$

sinusoidal wave

n=3

n=2

a

-a

n=1

0 $\frac{T}{2}$ T

UNIT -1 over

Electro magnetic waves

Fig 1

| N | S |

Fig 2

M

E·M 2

E

atom

nucleus

P+ n +ve

K n=1
L n=2 e⁻ve
m n=3
n n=4

shell → electron
$2n^2$

E

→ ε ψ