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MARTIC NO: 18/ENG02/002

DEPT: COMPUTER ENGINEERING

## MECHANICS ASSIGNMENT

ABU DAIAD BIENGO21002 COMPUTER ENGINEERINE Fig12-9 D & t L 65 V = ds S= 0.54° V = d CO.54° dt V = L54° dt dt a The v-+ groph & dreven kelow VEMUL

	the man and the second se
$\frac{2}{\sqrt{2}} \frac{F_{12} + E_{2} - F_{12} - 10}{\sqrt{2}}$	a = -44+16° , so the room is delorating
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
5= +2(2)5 + to(2) = -202 + 1605 5= 2004 at +20 5= -2005+20105 == 044 The 5+ graph Sky	3 F12-11 adt = rdu a = exts a = exts d (0.755)
253	$\begin{array}{c} 0 = 0.25 \pm 0.75 \\ 0 = 0.0 \text{ CFR} = 0.75 \\ 0 = 0.5 \text{ Mg}^2 \\ A = S = 0 = 0.75 \text{ Mg}^2 \\ A = S = 0.$
To get the a-t supply $a = \frac{1}{4} \frac{1}{2} \frac$	2.5 The grass
	to Sam Sigh

F12-12  $V = \frac{ds}{dt} \qquad 0 \leq t \leq s, \quad s = 3t \leq t$  $\frac{dt}{dt} \qquad \frac{ds}{dt} = \frac{d}{dt} (3t')$  $\frac{dt}{dt} \qquad \frac{dt}{dt} \qquad \frac{dt}{dt}$ 4  $\frac{dt}{12.6 \text{ tmls}} \frac{dt}{dt}$   $\frac{12.6 \text{ tmls}}{4t = 5s}$   $\frac{172.6(5)}{12.5 \text{ orl}} \frac{12.5 \text{ orls}}{12.5 \text{ orls}}$   $\frac{12.5 \text{ orls}}{12.5 \text{ orls}}$   $\frac{12.5 \text{ orls}}{12.5 \text{ orls}}$  $\frac{11}{30}$   $\frac{30}{50}$   $\frac{30}{50}$   $\frac{30}{50}$   $\frac{1}{50}$   $\frac{1}{$ a=0 7+15)

F12 -13 a = du de adt f + dt 5

 $ds = t_{0}t_{1}^{4}$   $\int_{-3}^{3} = \int_{-3}^{4} v dt$   $S = 5t_{2}^{4} v dt$   $S = 5t_{2}^{5} (-15t + 112)dt$   $S = 3t_{2}^{5} (-15t + 112)dt$   $S = 3t_{2}^{5} (-23t_{1}^{5} + 125t_{1})dt$   $S = 3t_{2}^{5} (-3t_{1}^{5} + 125t_{1})dt$   $S = -3t_{2}^{5} (-3t_{1}^{5} + 125t_{1})dt$   $S = -1(t_{2}^{5} + 125t_{1})dt$   $Tohnt (t_{2}^{5} + t_{2}^{5} + 1125t_{1})dt$   $Tohnt (t_{2}^{5} + t_{2}^{5} + 1125t_{1})dt$ Theter F12 - 14 V= ds  $Ae = vd^{4}$  0.5+2.5s V=30+ S=50+4+ SThe S-+ graph. S = 17 + 10At t = 58  $S = 15(50)^{6}$  S = 1525 = 3.335m 65 = 44 = 155 17 = 35 17 = 35 dt