ABIMBOLA OLUWAFEMI GIDEON

MATRIC NO: 18/ENG05/002

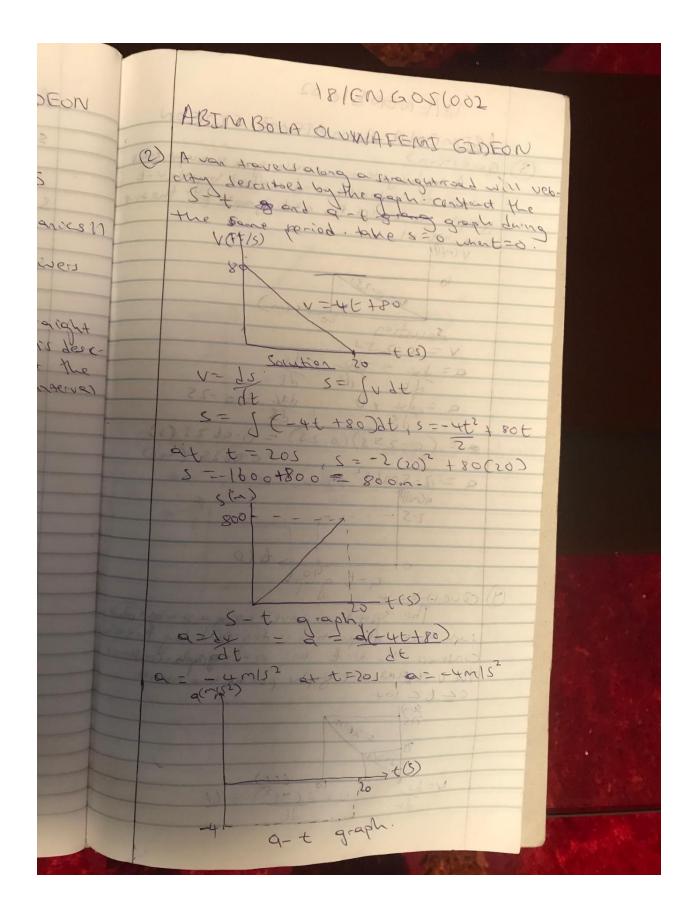
DEPARTMENT: MECHATRONICS ENGINEERING

COURSE TITLE: ENGINEERING MECHANICS II

COURSE CODE: ENG234

DATE OF SUMISSION: 22nd may 2020

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Course Title: Engineering mechanics 1) Assignment solution assis	the sa
Assignment solution Ansivers	VET
Question 1	80
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track such that its position is desc.	1
V-t a get for the rang time never	V= 2
200 1 Series (Aferra)	00-55
3/	(2) 25 00-
5=05	5 =- 1t
(6)	Sin
to by int (s)	808
Solution	
5=0.5t2 and v=ds	
$v = \frac{d(o-st^3)}{dt}, v = 1.5t^2$	Som the se of
$V = 1.5(6)^{2} = 1.5 \times 36 = 5 + m S$ $V = 1.5(6)^{2} = 1.5 \times 36 = 5 + m S$ $V = 1.5(6)^{2} = 0 V = 0.$ $V = 1.5(6)^{2} = 0 V = 0.$	a ste
3=100, ds=0, v=0.	Q Z - 4
val) de	عرب الأرا
37	
0 10 + (s)	1
6 (0 (0)	-9-



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1220	3) Questions a traversion of the service N=6
De Te	Mere its velocity is described by Mev-t time interval V=6
	(8/73)
	Socution to som
	N=0.572
	de du x de 36
308	9 = 25 x V dy = 0 - 25
60	(5) 25 90-0= (25-0)(5)
	Q = 2-5m(s² = 0.0625 (40) (0) Q = 6 Q(N(3)) = 0.0625 (40) (0) Q = 6 Q(N(3)) = 0.0625 (40) (0) Q = 6
4	Compa the
	0 t 40 t 6
	The sport's can travels along a straight road of the vet and art graph of a the time interval.
	contract the pointion is described by the good Question
May -	the v-tead a-t graph for the time internal ecceleration
	307)
	05:301 (a(m/s²)
	V=35 5 10 601) The state of th
	dt db -00 -10 -

v=bt at t=5 v=bx5=30mis V= 30t-75 N=1(20t-25) V(015)--t(s) 36 a=d(6E) a=6 mls2 ecols a-tograph. Question 5 The Lagrer starts connest endlas an de ation de united by the graph contract the time west is the time for the cour to come to pear. armis (2) +-

