

IQRA NATIONAL UNIVERSITY PESHAWAR

ASSIGNMENT NO 01

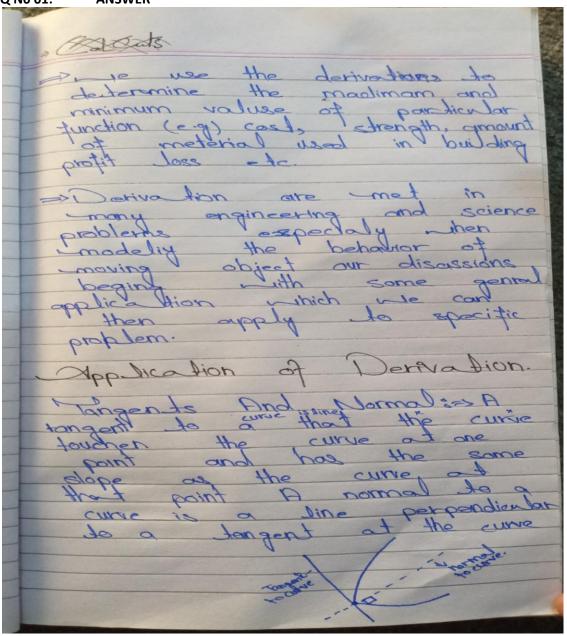
DEPARTMENT OF CIVIL ENGINEERING

SUBJECT: APPLIED CALCULAS NAME: ABDUL BASIT

ID: 7776

SEMESTER: 8TH SECTION: C

Q N0 01: ANSWER



point (my) using dy) langent: If we are trasuling Vin a cat arginal a corner and we drive over some thing slippry on the road lieur ti bile of strate continue in a direction Jongent to the curve. Mormalson The Spoker of wheel are placed normal. The circular shape of the wheel out each point who the spoke connects with New Jive So on until ue a give a acceptatale approx mation for

the solution and then applying a formula to a bout of dain on It so that f (x)=0 then use your some initial value of served solution and then wet get a better approximation using wenton Method

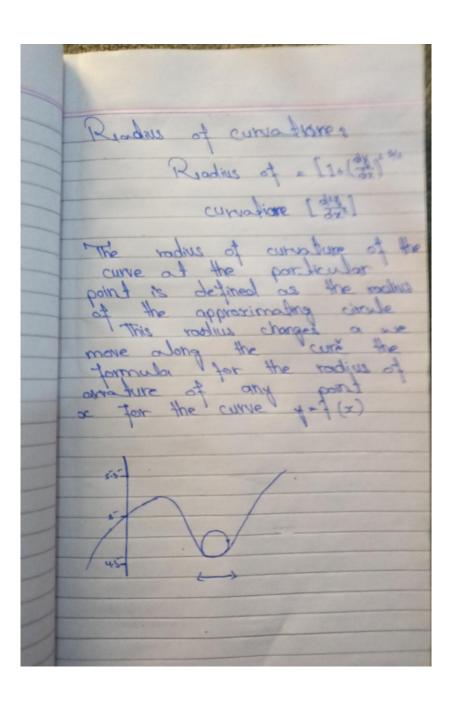
Retailed Rales:

both very with respect to

time and have a

relation between them, we can
express the rate of change
of one in terms of one That is well be finding off for some quantion f(t) oft Curcillinear Motion = & v = do, a= oh = dt These formular are only appropriate for rectilinear mation (velocity and acceleration in a strength time This is inadequate for most real situation so use introduce here the concept at anvitincent motion where an object is moving in a plane along a specialist curred path we generally expens the x and y component of the motion

as function of time this form.



Load is applied at the centre with application at load the beam will bend. Some force will develop

insid the rood which will

the rood

in shore to bleak the rood

in shreetion of force that

force is called shear force

and Product of the force

with distance from either end is bending moment. Corrugaded tran sheeting: "

- Corregated inon is used contensing through out the world as a versal tile building meterial. Bending the material in to a regular sine wave pattern gives is greater strongth than it as the sheet is used of loser of notogeth of tird out how wide should be so give us a corrugated sheet

3) Freq Order a curve by In civil engineering when we are dealing with curve or structure howing curve then may need to find the area order the curve which is to be constructed so we use integration for this purpose. Area 1 to (x)dx y Moment of Inertia by Integration property of a scotion of a geometrial structural member which is required to measure it, to resistance to bending and buckding. expox turds pitred to transm & 100 = SA /2 dA where y is the y coordinate

