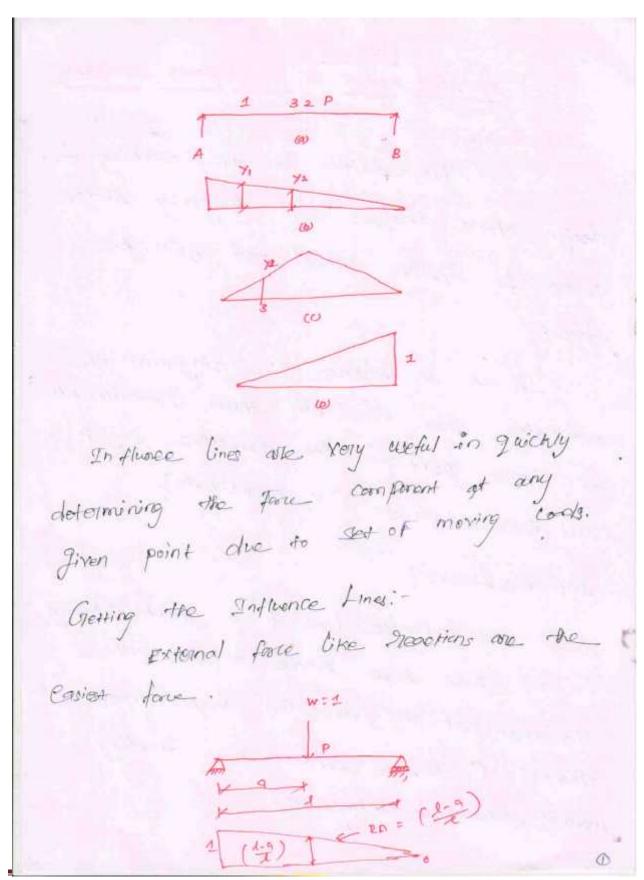
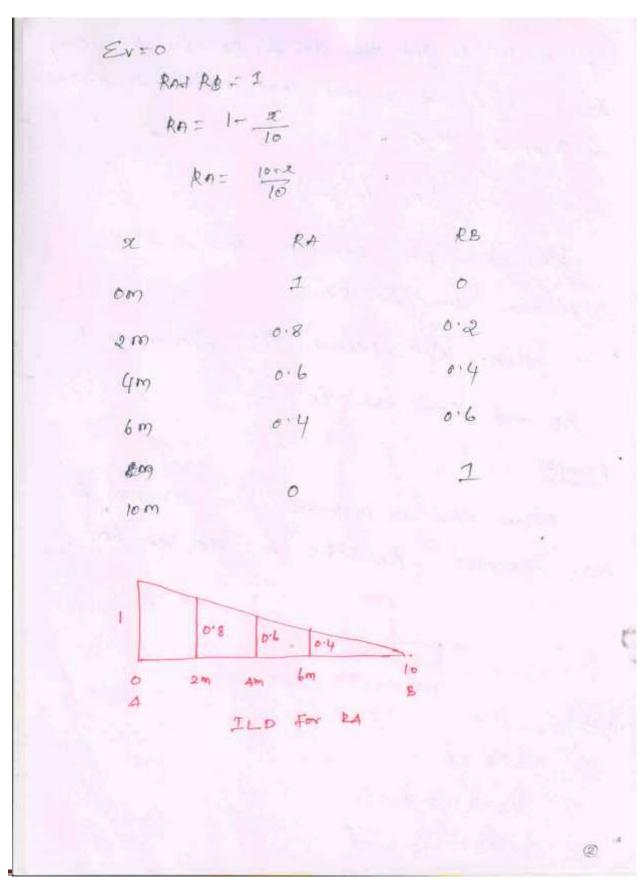
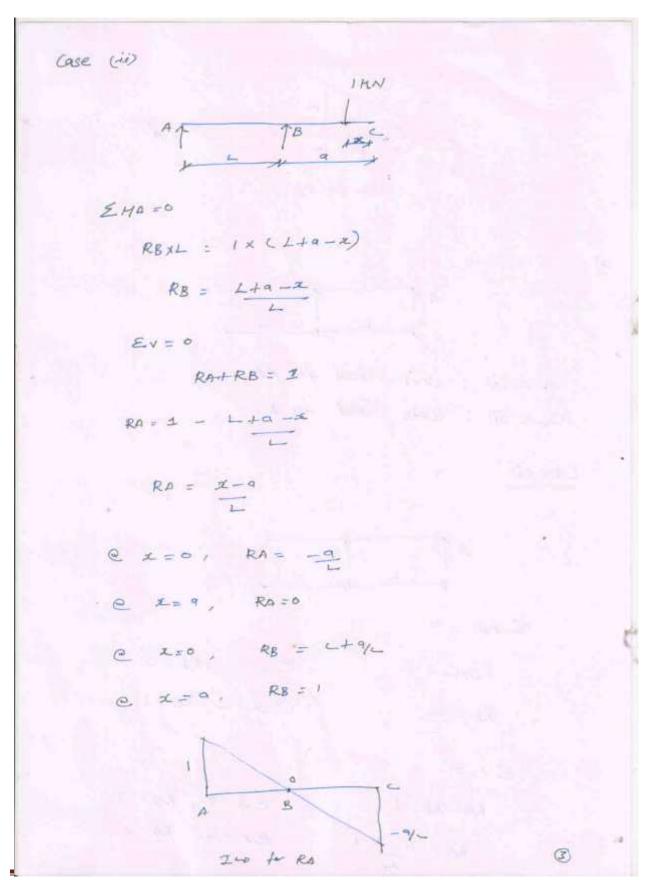
MOVING LOADS & INFLUENCE DIAGRAM Introduction :-In this addition you are coasting in a design office analysis and designing bridge grides for Tolling wheel lead will be alone. In an in fluence line diagram the ordinates show the BM, shear, Meantien etc. at Chosen point in the Structure say P and the abscissa (x.o-ordinate). Influence Line : ? An inthence line is a graph Showing for any given beam, frame on trus, the Variation of any force con displacement quantity (such as shear face, bending moment, tension & Deflection).

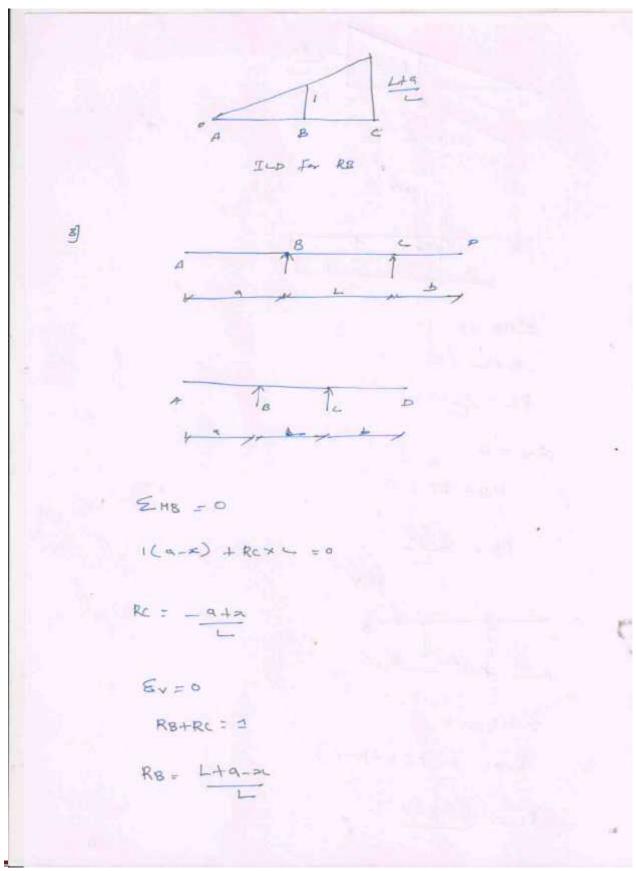


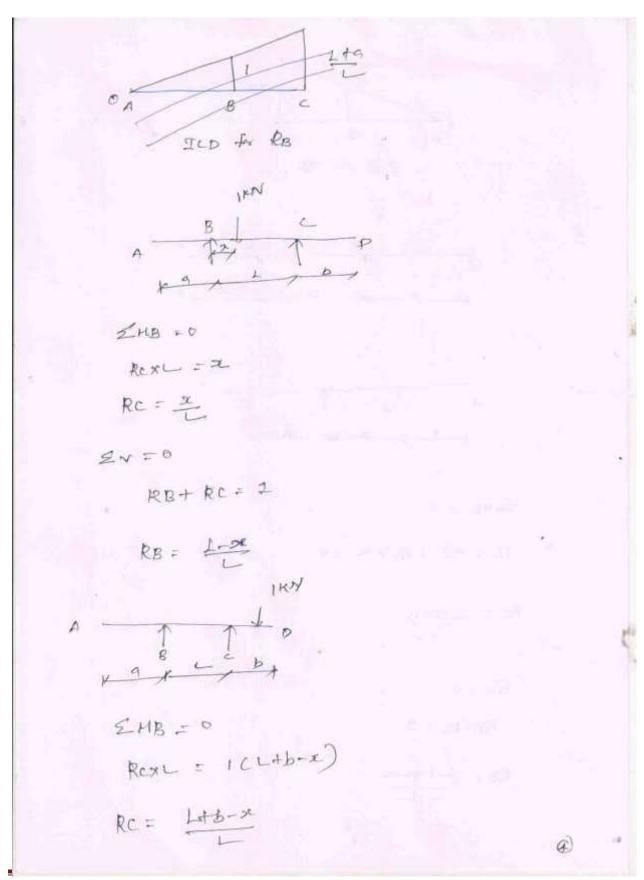
Let us try to get the IL for RA for the Gran	7
AB in tig. Let a unit load act at P, distan	we_
a From A. Then	
$RP = \left(\frac{d-q}{R}\right)$	
When we plot equation, that is the	
in tulonee line for RA	
When Will extend this Measoning to	
RB and coad of RB = a	
Examples	٠
Dolaw the son influence line diagram for	
the Meacrians RAGERS for 2m, 4m, 6m.	
1 KM	
A T 1 1 1	C
10 m	
Solution	
ZMA = 0	
(RB×10) = JL	
RB = 3	14



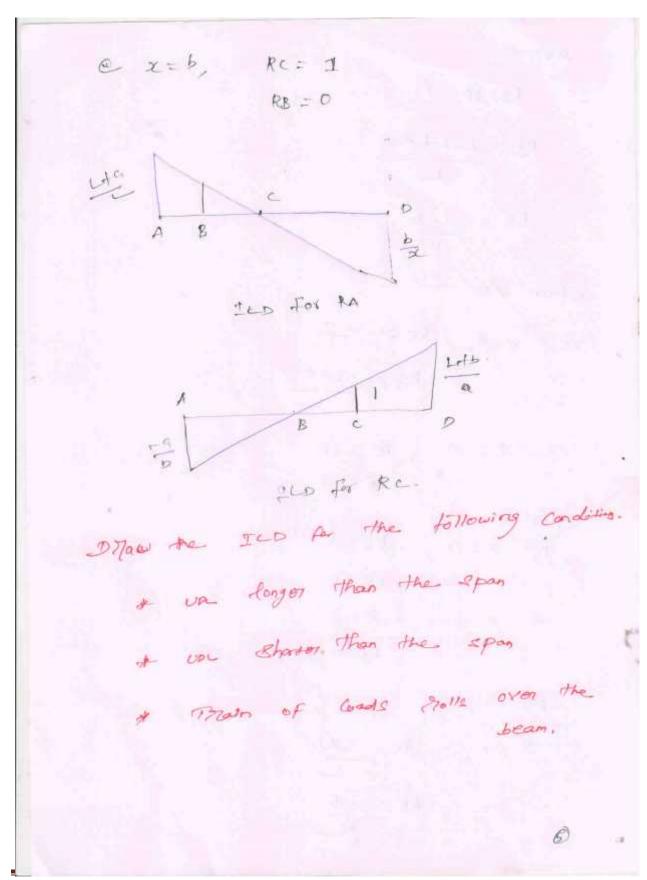
Let us try to get the IL for RA For the Learn
AB in tig. Let a unit load act at P, distance
AB In The
a From A. other
$RA = \left(\frac{d-g}{\ell}\right)$
When we plot equation, that is the
interested for RA
When Will Extend This Cleaser of
RB and cond of la = a
and the state of t
in Influence line diagram to
the Meactions RAGERS for 2m, 4m, 6m.
1 KY
A 8
10 m
Tolution
ZMA = 0
(RB×10) = X
RB = 3

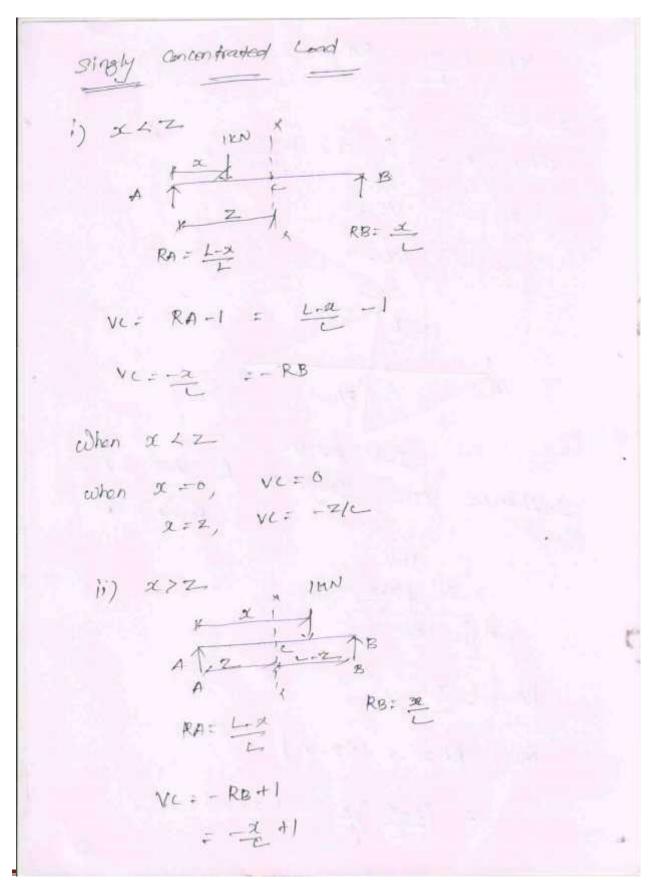


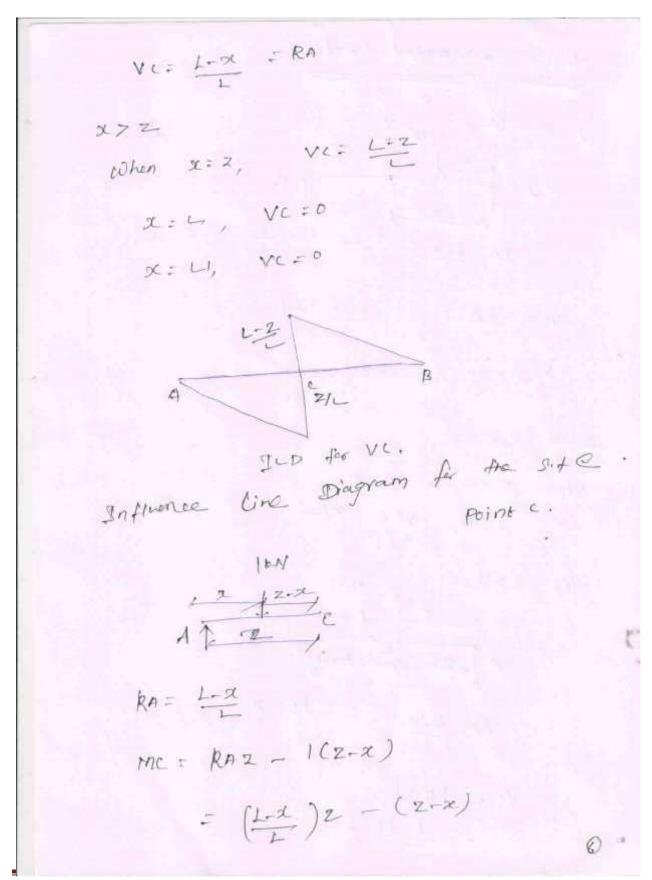


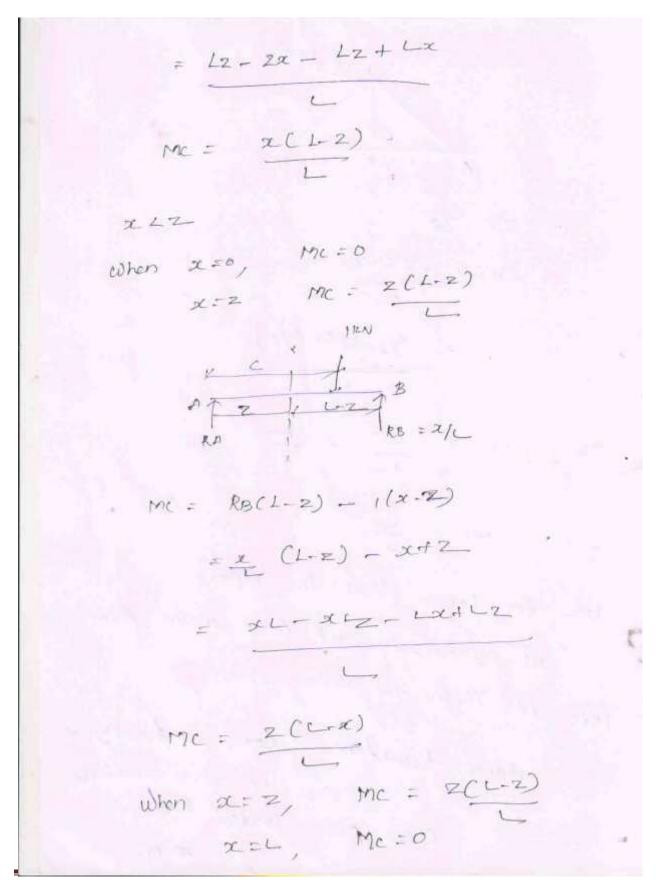


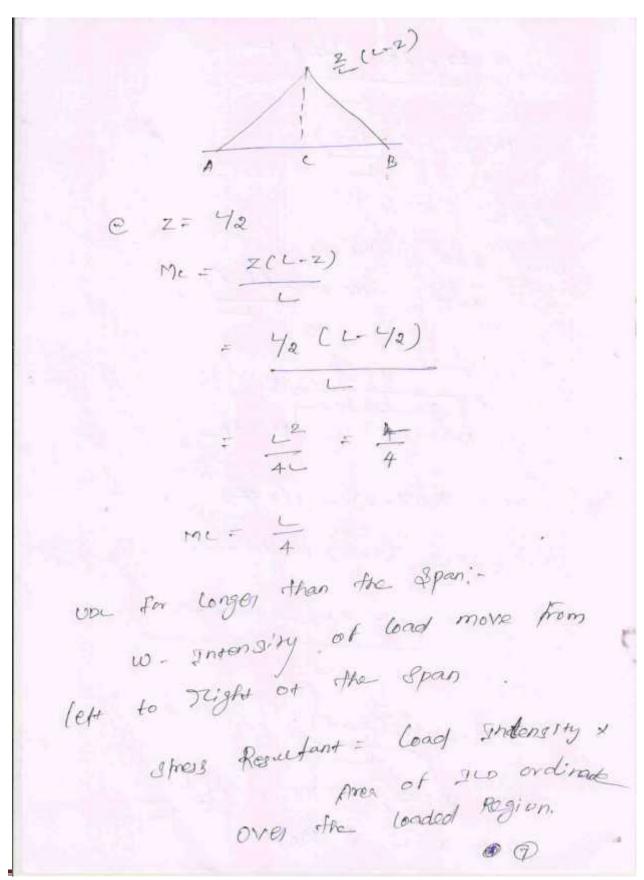
Zv = 0	
RB-1 RC = 1	
R8 = L-L-b+x	
RB = 3-b	
Span AB	
@ x=0, Rc = -a	
RB = LAQ	
@ a = a , RC = 0	J-9 - 1 .
R8 = 1	
Span Be	
@ x=0, kc=0	and the state of the state of
RB+1	
@ x _ c , Rc-1	
RB=0	· •
Span co	
x=0, RC= C+b	
$RB = -\frac{b}{C}$	
DDEDADED DV V VALAIDANDIAN AD /CIVII	HNIT II /UCEM /Dogo O

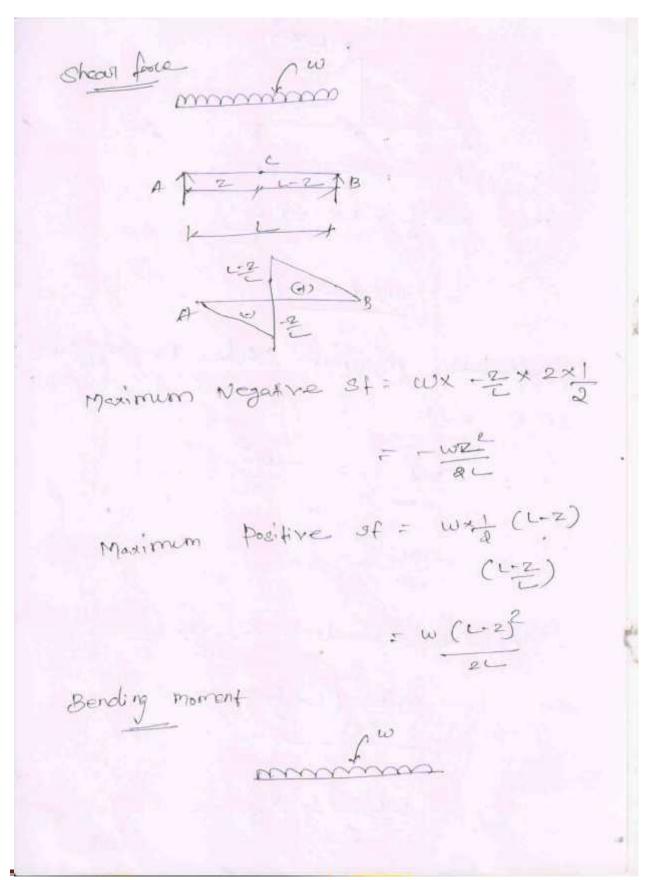


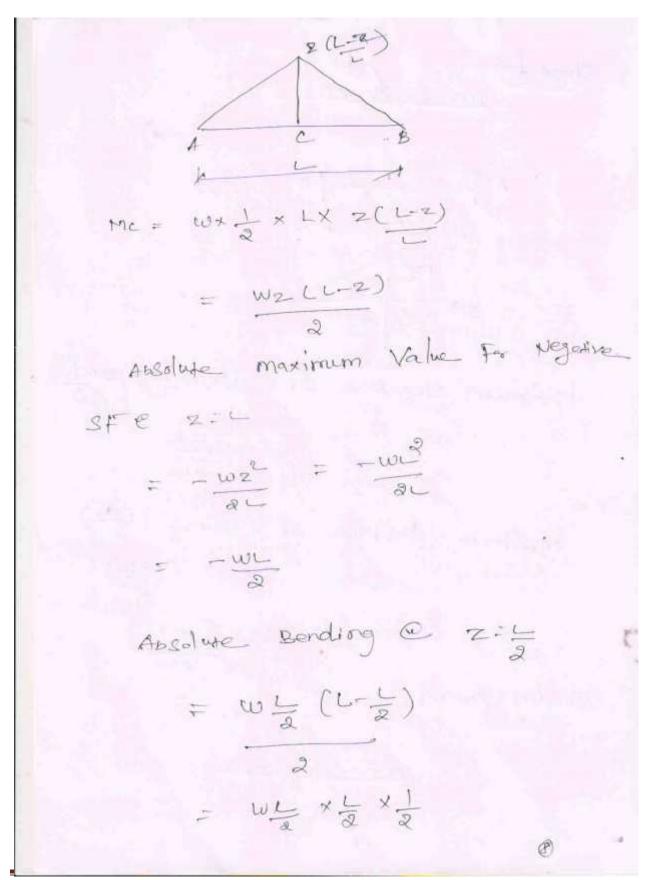


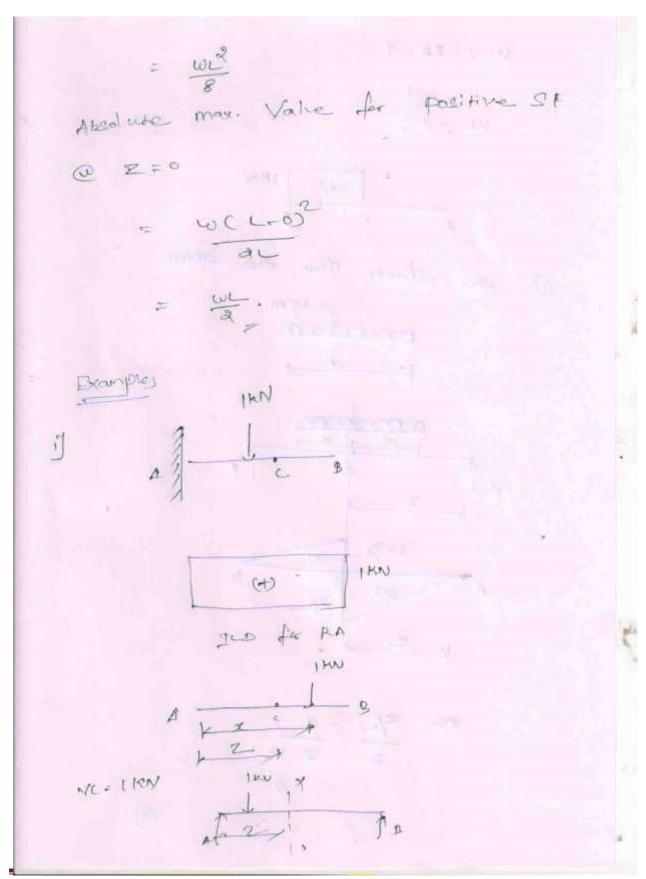


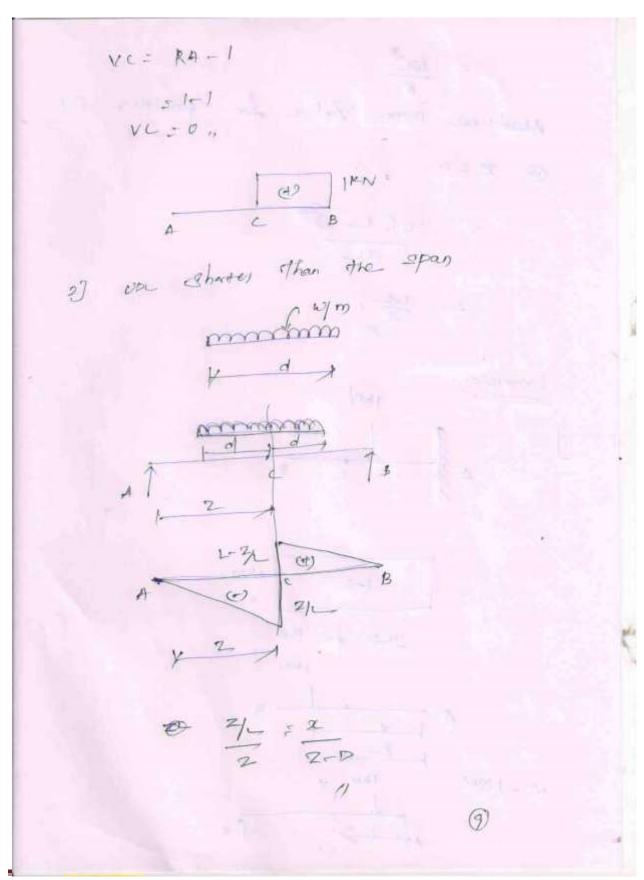


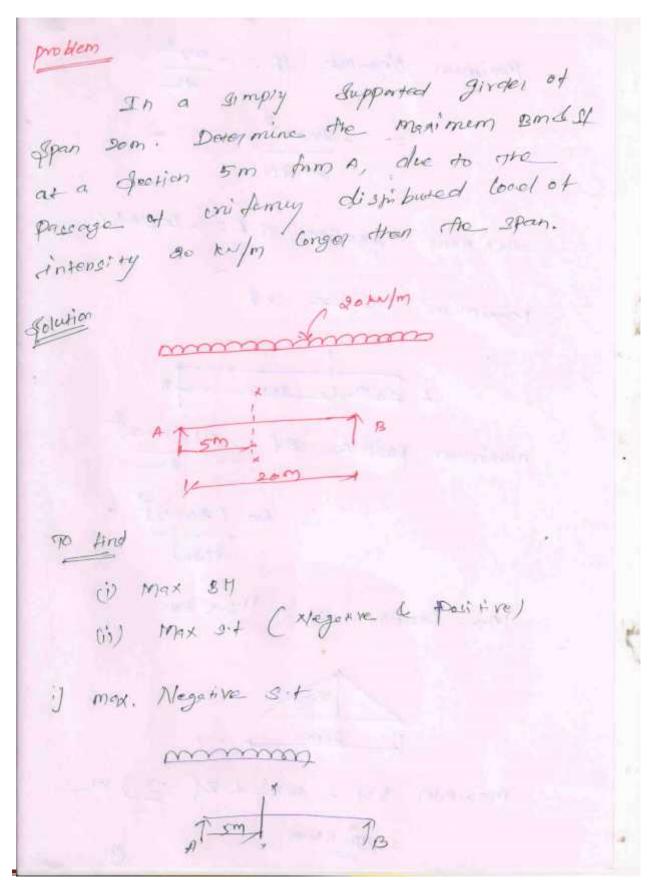


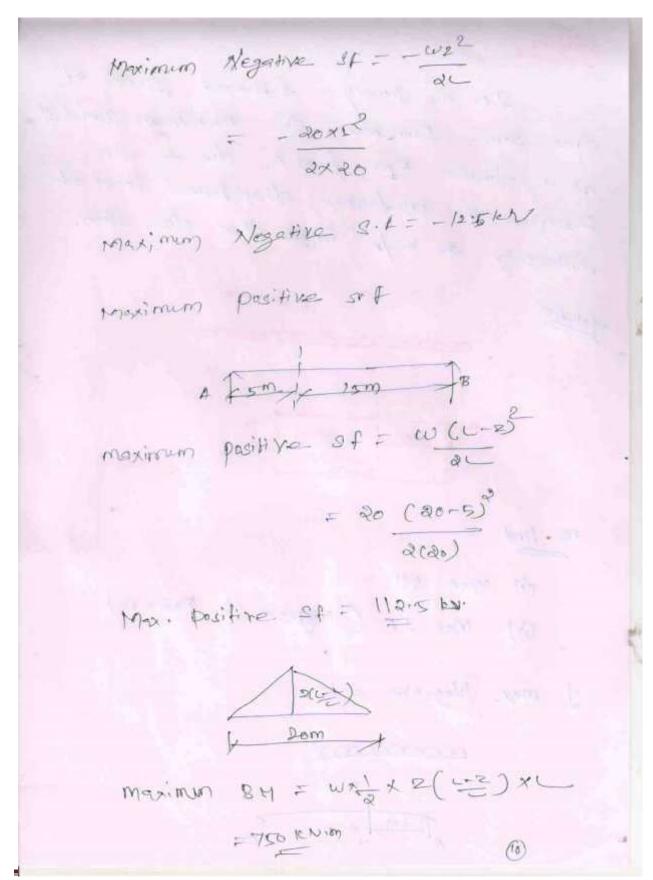


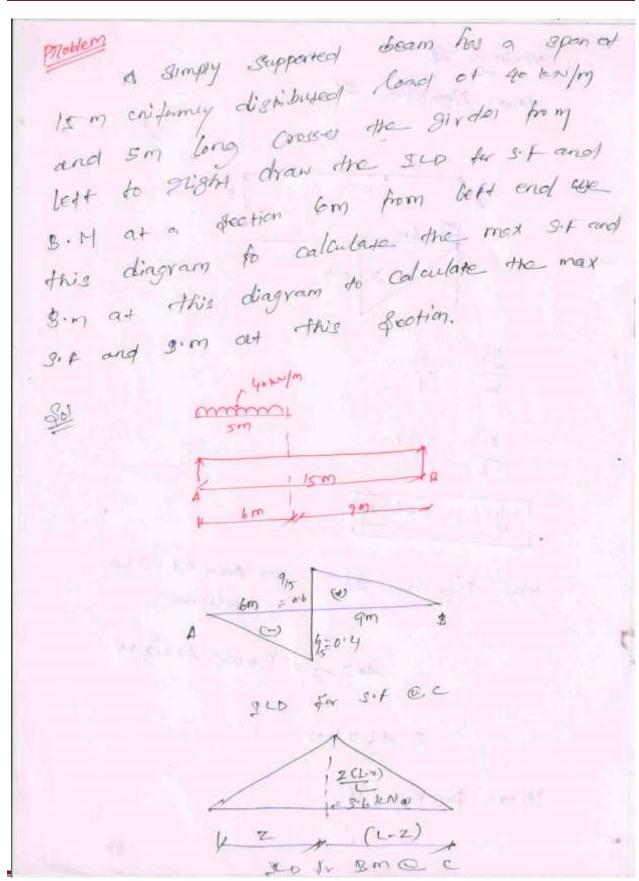


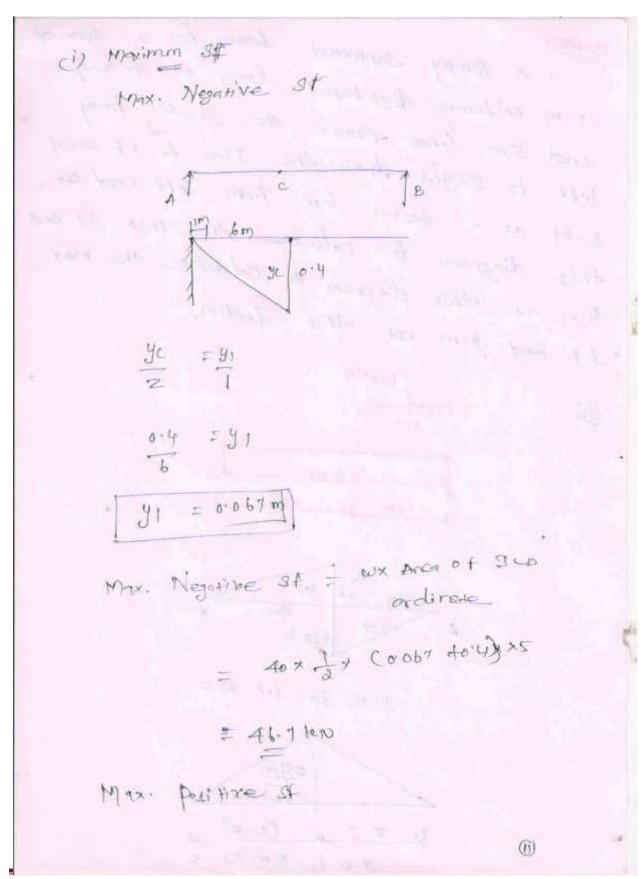


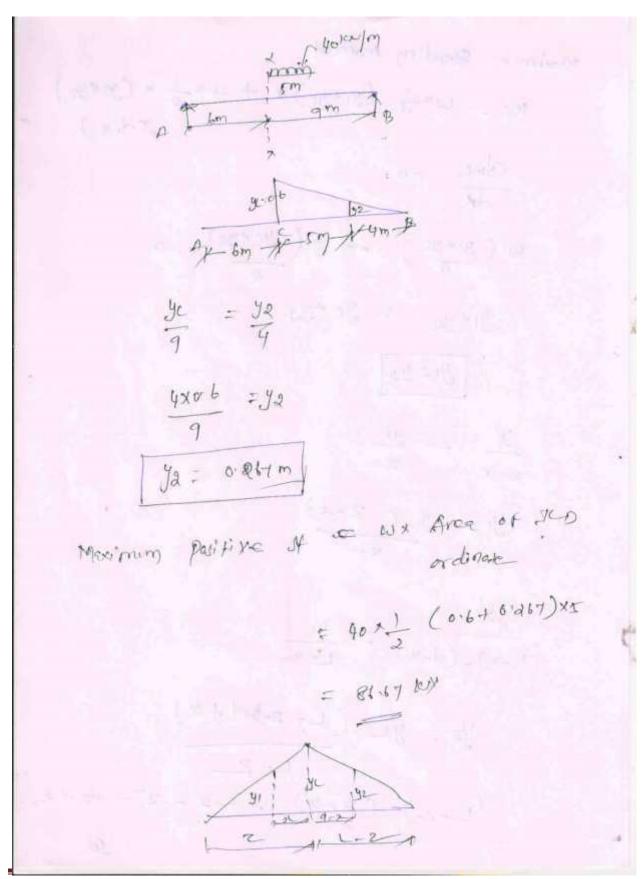




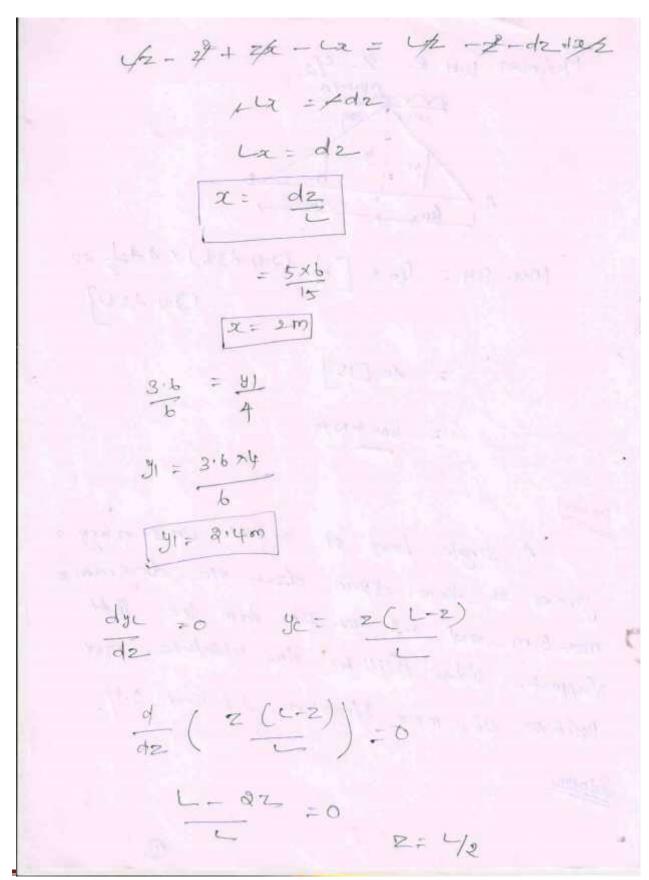


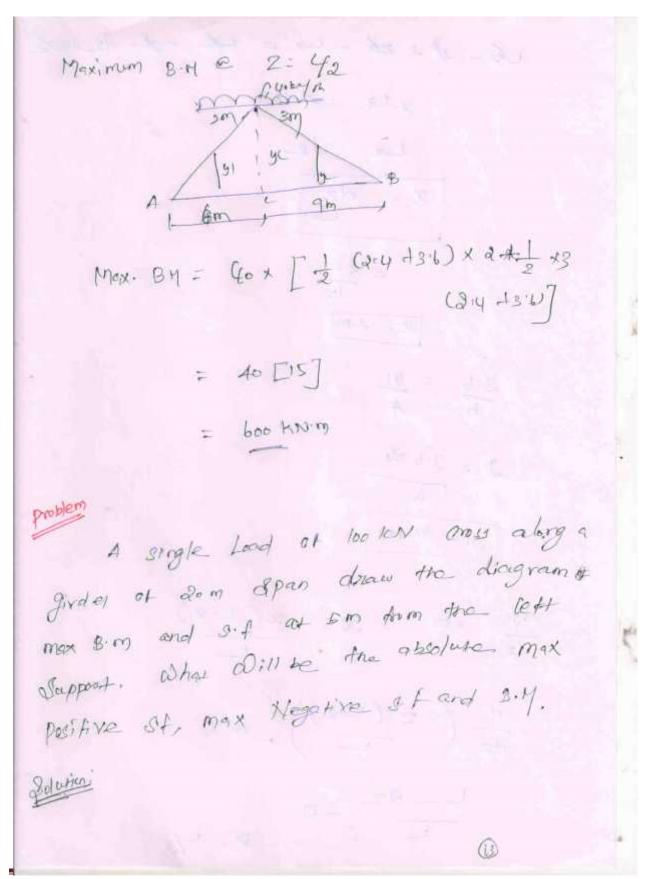


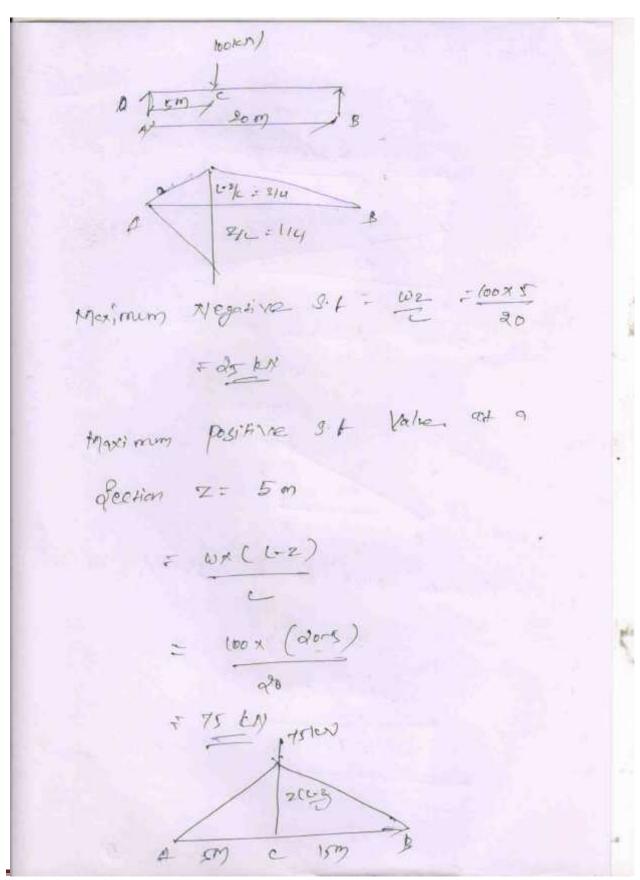


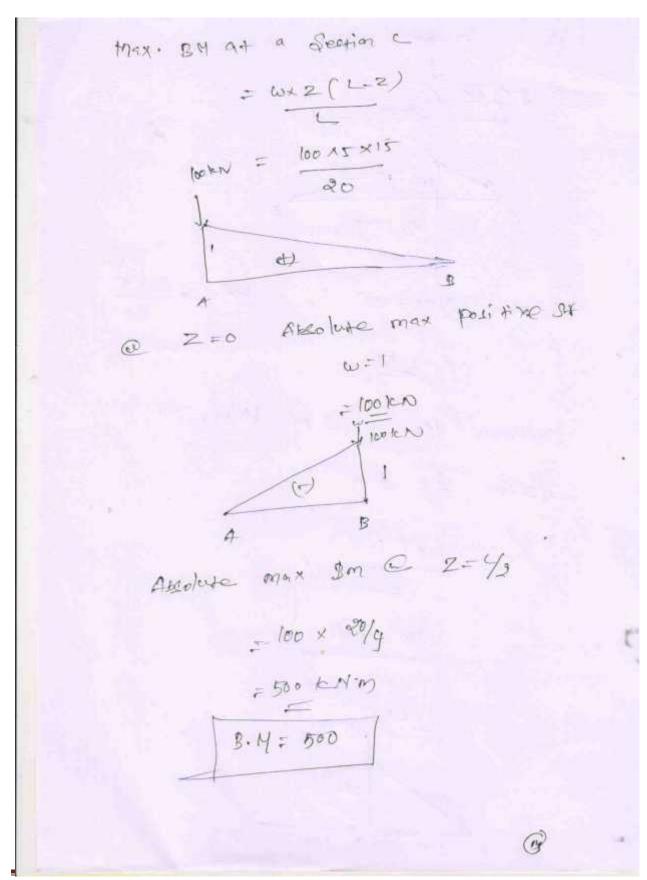


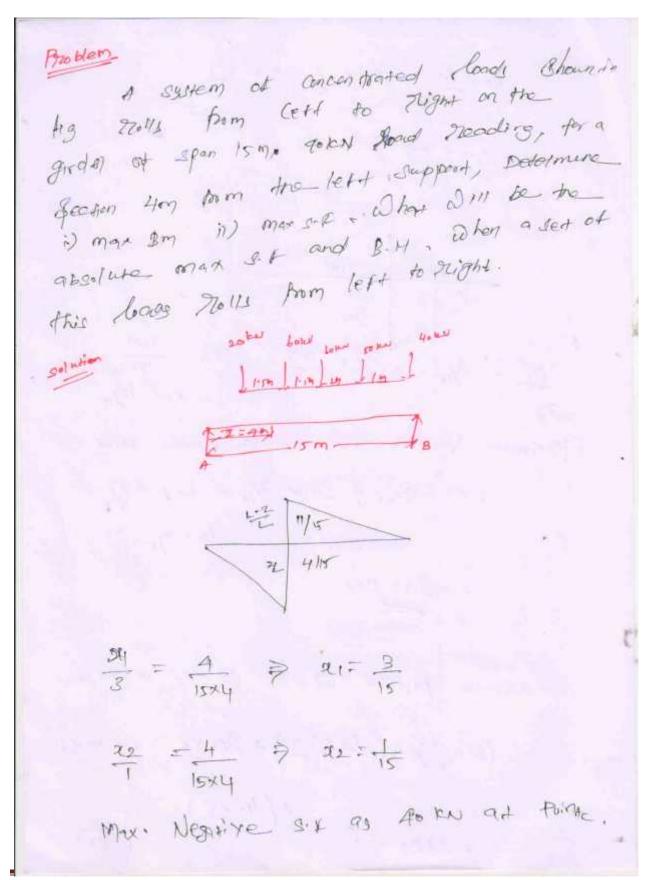
	6
	(L-2) (2-2) = c2-2-d2+2
-	4-2
	ya = yc (L-2-)ol+x)
	2 / 1 2 2
	(L-2) - (d-x) = 1-2
	entrary a partition of the same of the sam
	y1 - yc (2-x)
16.5	Z-X Z [m-13, m-13]
	<u>9</u> = <u>3</u> -
	The stands
2	y1= y2
	41+42 = 4c+42
	w (91+9c) - w (9c+9e) =0
	- dd
	Olme =0
4	mc = wx-1 (y1+yc) x + cvx-1 x (gc+yb)
	thatimem Bending moment
	to I man mornent

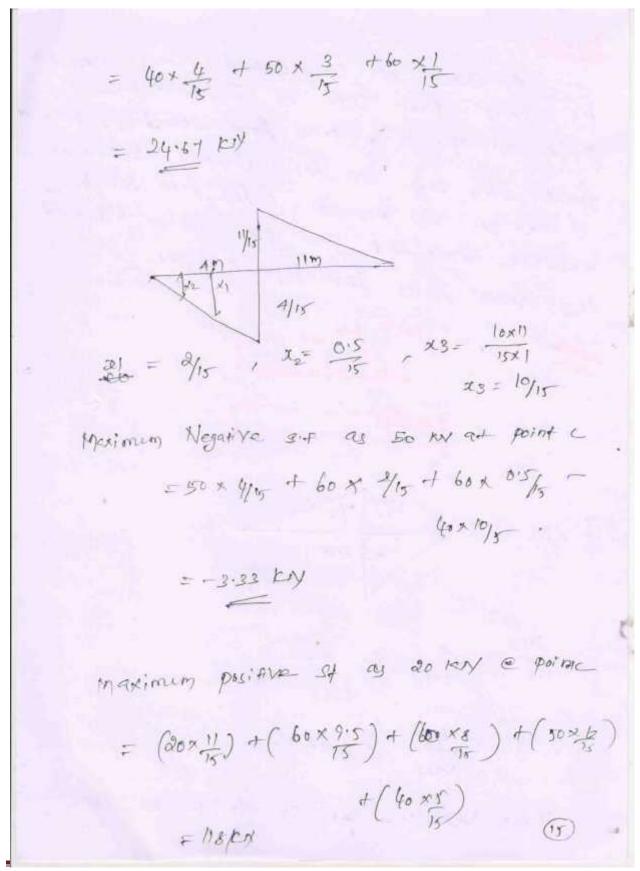


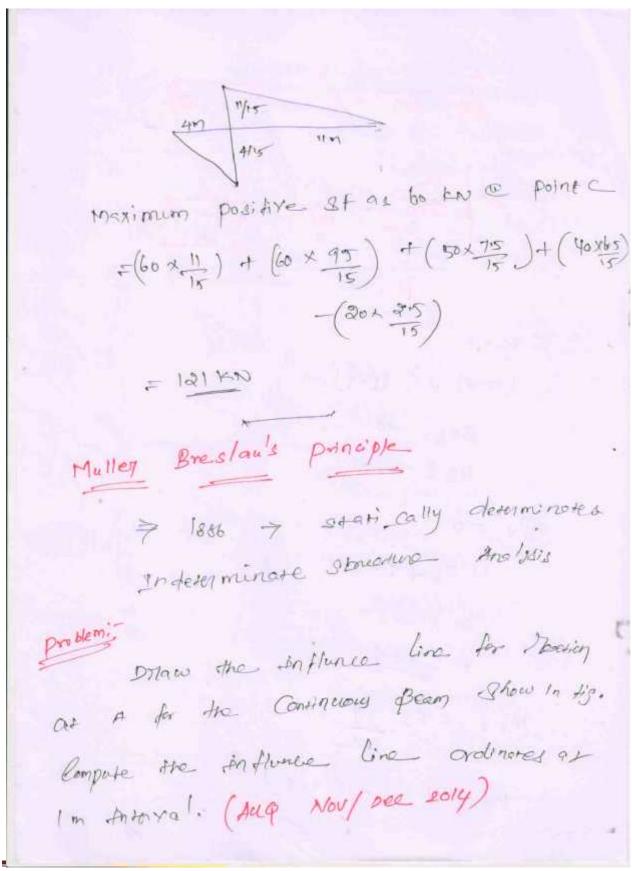


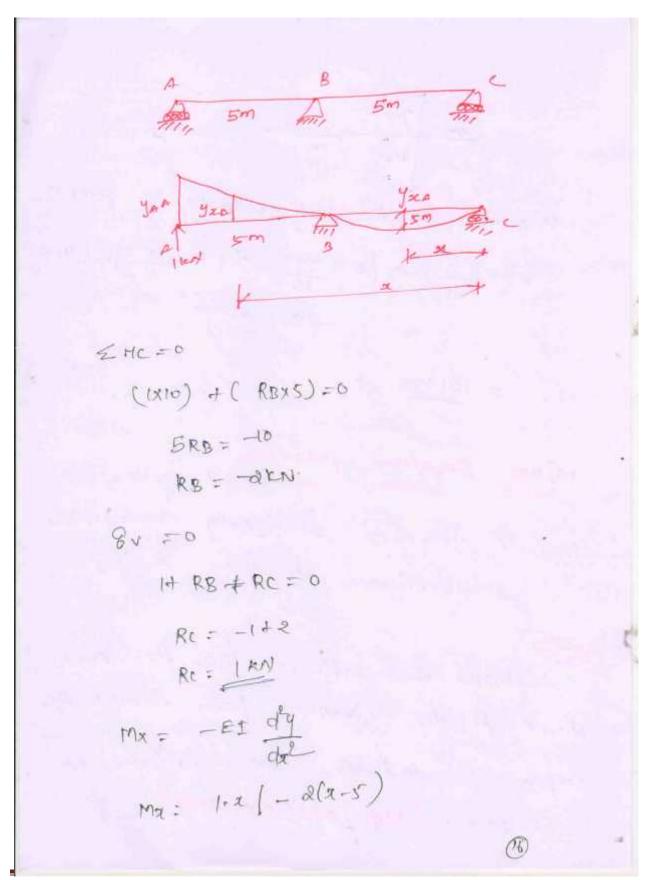












192 - 1.

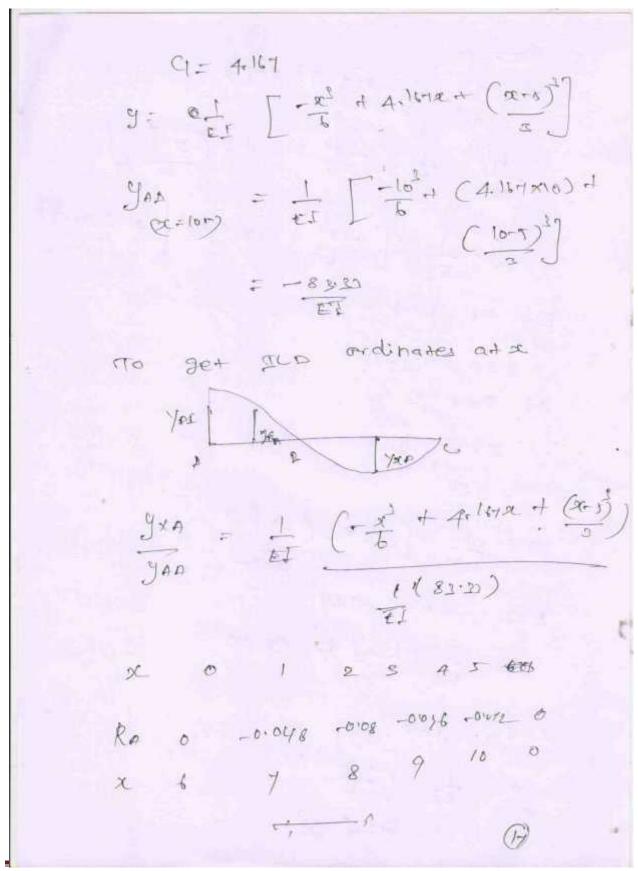
ET.
$$\frac{\partial^2 y}{\partial x^2} = \frac{x + a(x-5)}{2}$$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$

BES At point C

 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$

At point C

 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right] + \frac{a(x-5)^2}{2}$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{1}{2} - \frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial^2 y}{\partial x^2} = \frac{1}{2} \left[\frac{x^2}{3} + c_1 x + c_2 \right]$
 $\frac{\partial y}{\partial x} = \frac{1}{2} \left[\frac{x^$



problem Determine the influence line	to g at
Du Das mid for	Compute
Continuous from Shown in 13	every 1.5m
interval.	
Am bm bob bm for	
A PU TO TO TO THE REAL OF THE PERSON TO THE REAL OF THE PERSON TO THE PE	
consider DC	
HP(*)	
111.10	Eller de la constante de la co
EV=0 RC= IMN	
mD = (1x2)	
MD: 3 EN M	

Consider
$$A \in D$$

$$\begin{cases}
A & \int_{0}^{\infty} |A| \\
A & \int_{0}^{\infty} |A| \\
A & \int_{0}^{\infty} |A| \\
CREAD & + MD + (May) = 0
\end{cases}$$

$$\begin{cases}
CREAD & + MD + (May) = 0
\end{cases}$$

$$\begin{cases}
CREAD & + MD + (May) = 0
\end{cases}$$

$$\begin{cases}
RA = -12 \\
RA = -142
\end{cases}$$

$$\begin{cases}
A = -2 + (A + C) + (A + C$$

