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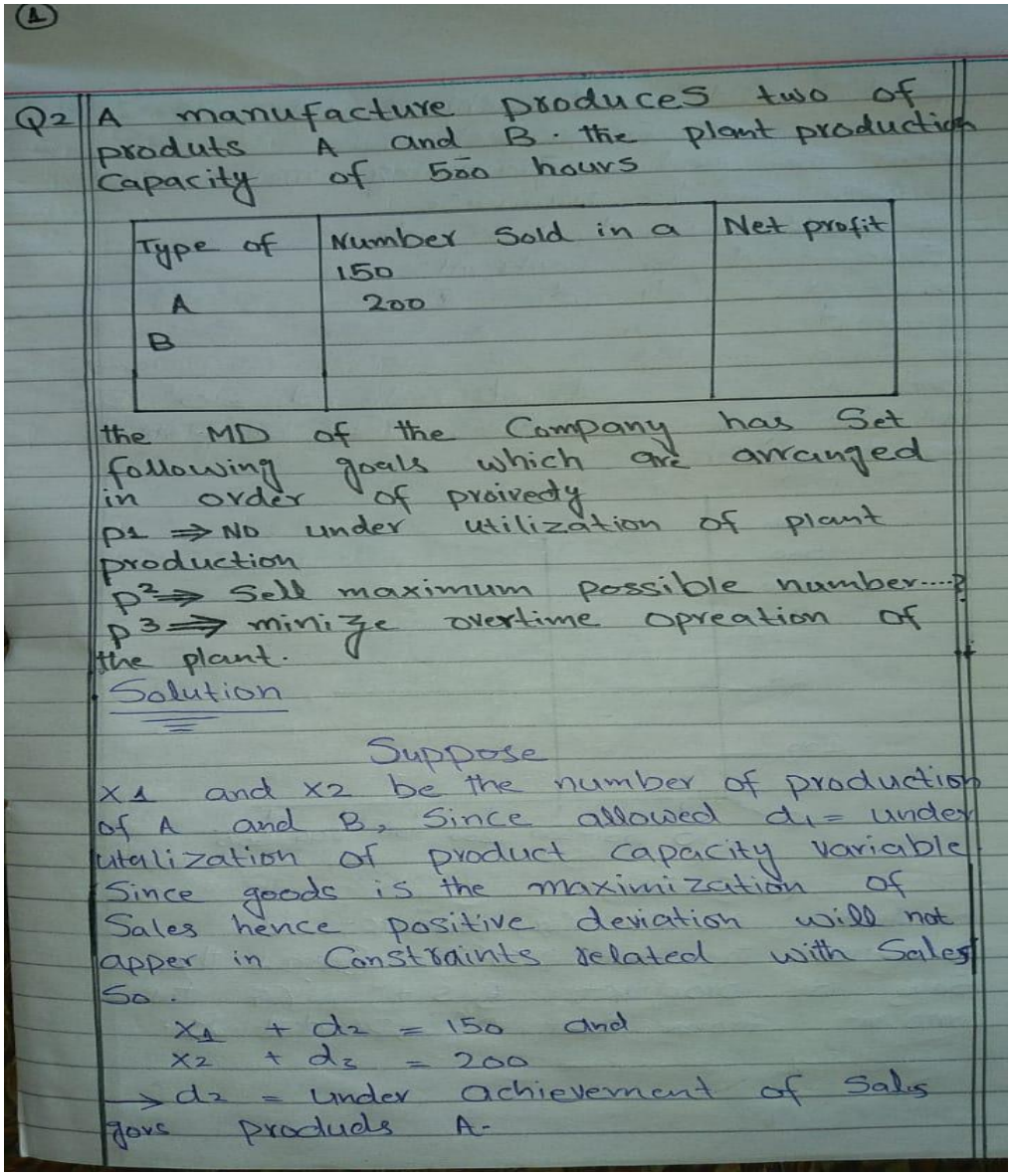
ID: 15125
CLASS: BS(SE) 4th
SECTION: (B)
CLASS TIMING: WEDNESDAY
SUBMETED TO: SIR. SAIFULLAH JAN



(1)

Q2 A manufacture produces two of produts A and B. the plant production Capacity of 500 hours

Type of	Number Sold in a	Net profit
A	150	
B	200	

the MD of the Company has Set following goals which are arranged in order of priority

$p_1 \Rightarrow$ No under utilization of plant production

$p^2 \Rightarrow$ Sell maximum possible number....?

$p3 \Rightarrow$ minize overtime opreation of the plant.

Solution

Suppose

x_1 and x_2 be the number of production of A and B, Since allowed d_1 = under utalization of product capacity variable. Since goods is the maximization of Sales hence positive deviation will not apper in Constraints related with Sales So.

$x_1 + d_2 = 150$ and

$x_2 + d_3 = 200$

$\rightarrow d_2$ = Under achievement of Sales goes products A.

$\rightarrow d_3 \rightarrow d_3$ underachievement of Sales goals for product B.

Now the goal programming methematical modes can be minimise

$z = P_1 d_1 + P_2 d_3 + P^3 d_1$

Subjected to Contronts

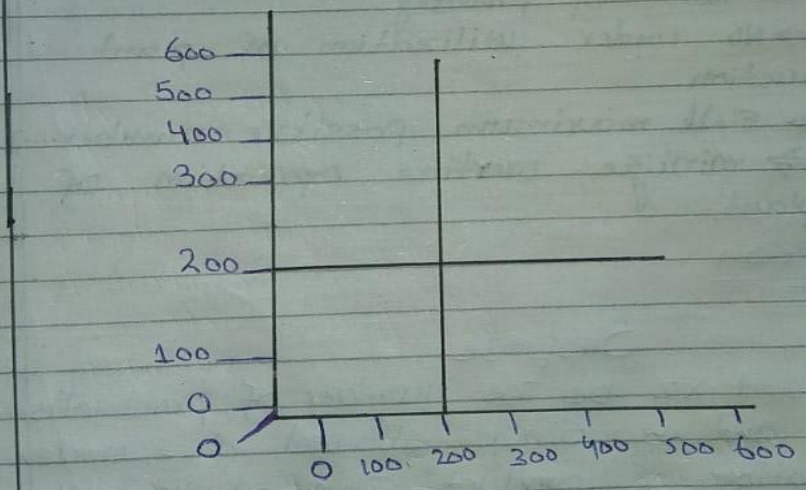
$x_1 + x_2 + d_1 - d_1 = 500$

$x_1 + d_2 = 150$

$x_2 + d_3 = 200$

and $x_1, x_2, d_1, d_2, d_3, d_1 = 0$

All the goal Constraints Can be plotted on the graph.



(ANSWER)

product A as for product B, Because the net profit from the Sale of product A is + wice the amount from that of produt B.

Q3 Corite a detail Summary of the ReSearch paper?

Answer :-

Introduction :-

Critical path that Methology will replacete all of the various interactions. Commination and defects, the Civil path method is an algorithms for Scheduling a Set of projects activaties, its Commonly used in Conjunction with the progam evalation and Revew techniugas

⇒ ReSearch Hypothesis :-

this study uSes one Rule amoung many Simple algorthmic rules to Sulmalate the Calculation of the Congest path: therefore, minimum amount of time is required to proformn an activity from the dragonify algorithms and that the ReSults Can be examinet.

⇒ Literature Review :-

Explating Cpm to Calculate the fame requirees, and value required for projects and events. cpm is used to appear the value

and time interchanges by activaties that taeke a shorter time at in expensive.

→ CPM Simulation :-

cpm analysis the earalist begin time is the easlist and time Eff the latest and time sation freguancy and total float Tf, should be documanted for each activity

⇒ ReSearch methodology :-

the study atilize the dynamic and static group behavoir of dragnthis in nature to obtain and dragnify algorithem the benifits of the, approch are to use dragnfly behavor to achieve.

→ Result :-

Sepanation from each other Si to avoid the dragnthis from statis Collesions with other fellow humman coordanation and digerent Ai, is the drogrifyis behaver to match speed with other fellow human

Dissassion:-

most of the vetures are tayotceintal and thxoryed endeves whose objective is to create. recrente or change diffices these kinds of retures include dynamix process which will be isdlated into four Stayes Concepatgalization definition redization and ualize.

Conclasion:-

the draynify Rule is Succesful iverded to optimize the Conclasion we have used his techniques to Solue theos proplems taking in to arount projects cest activity duration and activity duration and activity Cotation in the required with digram.

The End

تمت بحمد الله

..... think you .....