BEP Problems

fixed expenses = 12,000/-Break even sales 7 60,000/profit = 1000/-

BEP sales = F Plvrotio

60000 = 12000 => 60000xp/v Ratio = 12000 Pluratio = #2000 × 1000

PlV Ratio = 20%.

= 1000 = 1000 x 100

MS= 5000/-

M/s = present Jalen - BE Jalen 5000 = present Sales - 60000 5000 + 60000 = present Sales 65000/- = Sales

A Variable cost S-V= F+P

65000 - V= 12000 + 1000

65000 - 13000 = V

52,000/- = V

321) Given That Selling price per unit = 100 Leus: - Trade discount 100x 19 = 10 New Selling price = 90 Variable Cost: Direct Moterial cost per unit = 30 Direct Labour cost per unit = 10 Variable over heads@200% on direct Labour 100x 200 = 20 Variable cost = 60 Fixed Overheads = 600001-BEP in Units = F = 60000 = 60000 = 2000 Units Bep in Units = 2000 Units Bep in solen = $\frac{F}{S-V} \times 9 \Rightarrow \frac{60000}{90-60} \times 90 \Rightarrow \frac{60000}{30} \times \frac{30}{30}$ (2) = 180000/-B6pin Saler - 1,80,000/-3 profit when :-Sales are 20% above BEP BEP in Unit = 2000 Unit 2400 = 60000 + DP Add: Increase 20%. 2008 X29 = 400 CAPTE 90-60 => 2400 × 30 = 60000 +DP 72000 - 60000 = DP profit when sales are 20 % above BEP ₹ 12,000/-= DP profit = 12000/-

@ prosit when :-Sales are 40%, above BEP 2000 Unt 13 BEP Sales Addi- Increase 40%. 800 Unglis 2000 x 49 2800 Unsts BEP in Units = F+DP 5 - V 60000+DP 2800 90-60 2800×30 = 60000 +DP 84000 = 60000 +DP 84000 - 60000 = DP 7 24001- = P

33) Given that;

Belling price per Unit = 60/-

Variable Cost:

Variable Mfg cost = 33/Variable SelligCost = 7/- 40/-

Fixed Exp:
Fixed factory Overheads 180000
Fixed Selling Costs 84000 - 2,64000 /-

Be Saler = 792000/-

② No of consts that must be sold to earn a profit of ₹ 20000/- per year

Desired Sales in Un95 = 14,200 Un915

3 what should be the selling price per unit if BEP is brought down to 12000 units

35

Given That:

fixed cost = 8,00000 /-

Desired profit = 2,000,00/-

Selling price perunit = 10/-

Variable Cost = 8/-

BEP Saler = F+DP X8

2 800000 +200000 10 -8

= 1000000 2 X +0

500000/-

Desired sales when profit of 200000/-5,000,00/-

Contribution Ratio = selling price - variable cost Selling price × % of share in sales $B = \frac{H0-16}{H0} \times 0.H \Rightarrow \frac{24}{40} \times 0.H \longrightarrow 0.24$ $\frac{50 - 20}{50} \times 0.6 \Rightarrow \frac{30}{50} \times 0.6 \Rightarrow 0.36$ Total contribution = 800000x0,60 H80000/-(-) fixed cost 1000001profit = 3,80,000/ -Contribution Ratio $= 50 - 20 \times 0.7 \Rightarrow 30 \times 0.7 \longrightarrow 0.42$ $\frac{60-28}{60} \times 0.3 \implies \frac{32}{60} \times 0.3 \implies 0.16$ Total contribution = 900000× 0.58 = 5,22,000/-(-) Fixed Cost profit = 3,97,000 1-By B&C products producing, The company gets profit of 3,80,000/and By Drop The product Band Adding I The Company gets profit of 3,97,000/-. so I suggest proposed product mix-