a) Payout ratio = 20 %.

$$E = Rs. 10^{\circ}, P = .15\%, k = 12.5\%.$$

 $P = \frac{2 + (10 - 2)0.15/0.125}{0.125}$
 $\frac{11.60}{0.125}$

$$= \frac{11.60}{0.125} = Rs. 92.80$$

$$P = \frac{10 + (10 - 10) \cdot 0.15 / 0.125}{0.125}$$

$$= \frac{10}{0.125} = \frac{R_{9}.80}{0.125}$$

c) Payout ratio = 0%.
$$P = 0 + (10-0) \cdot 0.15/0.125$$

$$= 0.125$$

Note: Rr > k. Dividend Pay out ratio decreases price per eauity share increased.

Example 2: Grorden Model $P_0 = \frac{E_1 (1-b)}{k-br}$ E1 = Ps 10, b = (1-0.5) = 0.5, k = 10 percent a) if p is 15%. $P_0 = \frac{10 (1-0.5)}{0.10 - (0.5 \times .0.15)}$ $=\frac{5}{0.025}=\frac{R_3}{200}$ b) if r is 10%. $P_0 = \frac{10(1-0.5)}{0.10-(0.5\times0.10)}$ = 5 = Rs 100 C) if r is 87. $P_0 = \frac{10(1-0.5)}{0.10-(0.5\times0.08)}$ = Rs. 83.33Note: P > k. Dividend decreases price increases. p = k price Constant r Lk Dividend decreuses price decreuses.

(i) Walter Model

$$P = \frac{D + CE - D}{k} r/k$$
 $E = Rs \ 10, \ r = 157., \ k = 107., \ D = Rs \ 4$
 $P_0 = \frac{4 + (10 - 4)0.15/0.10}{0.10}$

 $=\frac{13}{0.10}$ = Rs. 130

(ii) Grorden Model
$$\frac{F_{1}(1-b)}{k-br}$$
= $\frac{10(1-0.6)}{0.10-(0.6\times0.15)}$
= $\frac{4}{0.01} = \frac{99.400}{0.01}$