

C-F=1  $\sum_{j=1}^{3} m_{i}(m_{j}^{2}-1)=\frac{1}{\Gamma_{2}} \left[ m_{1}(m_{1}^{2}-1)+m_{2}(m_{2}^{2}-1)+m_{3}(m_{3}^{2}-1) + m_{3}(m_{3}^{2}-1) \right]$ 

$$C.F = \frac{1}{12} \left[ 3(3^{2}-1) + 2(2^{2}-1) + 2^{2}(2^{2}-1) \right]$$

$$= \frac{1}{12} \left[ 24 + 6 + 6 \right] = \frac{36}{12} = 3$$

$$\therefore \beta = 1 - \frac{6[41+3]}{10(16^{2}-1)} = 1 - \frac{264}{990}$$

$$\boxed{\beta = 0.7333}$$